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इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

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Calcutta, the 25th August 1984

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REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agent :—

1. Shri Venkatasubbiah Narayana Rao,
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408, Sion Trombay Road,
Chembur, Bombay-400071.

REFUSAL OF PATENTS

WITHOUT OPPOSITION

(SECTION 27)

Application for Patent No. 151828 (170/MAS/80) dated the 1st September, 1980 made by Shri M. A. Kamarudin, has been refused under Section 27 of the Patents Act, 1970.

CORRIGENDUM

(1)

In the Gazette of India, Part III, Section 2, dated the 5th November 1983 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 716, column 2, against No. 152183.

for Application No. 59/Bom/80.

read Application No. 59/Bom/82.

(2)

In the Gazette of India, Part III, Section 2, dated the 5th November 1983 under the heading "ALTERATION OF DATE".

In page 709, column 2, in respect of Patent No. 152183.

for Application No. 59/Bom/80.

read Application No. 59/Bom/82.

(2)

In the issue of Gazette of India Pt. III Sec. 2 dated the 7th July, 1984 at page 484 Column 1 under the heading 'Applications for Patent filed'.

against 374/Cal/84

for the title "A removable partial dental restoration"

read 'A process method and means for a procedure of a fixed removable dental restoration'.

(3)

In the Gazette of India Part III Section 2 dated the 12th August 1984 under the heading "PATENTS SEALED" delete 152121 under 152116, delete 152138 under 152129 and delete 152162 under 152161.

(4)

In the Gazette of India, Part III, Section 2, dated the 3rd March 1984 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 118, column 2, against No. 152660.

for NOVEX FOREIGN TRADE CO. LTD.

read NOVEX FOREIGN TRADE CO. LTD. FOR DEVELOPMENT AND COMMERCIALIZATION OF INVENTIONS.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in crecent brackets are the dates claimed under Section 135, of the Act.

19th July, 1984

519/Cal/84 Cecon International N. V. Improved Block.

20th July, 1984

520/Cal/84 E. I. Du Pont De Nemours and Company. Improved process for the continuous production of alkali metal hydroxide by electrolysis. [Division of Application No. 77/Cal/82 dated 20th January, 1982].

521/Cal/84 1. The General Electric Co. of India Ltd.
2. Sama Naidu Palaniswamy. An Improved Switching Mechanism.

21st July, 1984

522/Cal/84 Fidia, S.P.A. Coumarin Derivatives, Pharmaceutical Compositions Containing the same, and the use thereof in the treatment of Cancer.

523/Cal/84 Sparta Rijwielen-En Motorenfabriek B. V. A. Crankshaft Fearing.

23rd July, 1984

524/Cal/84 Shin-Etsu Chemical Co., Ltd. A composite body for sustainedly releasing vapor of a vaporizable active substance and a method for the preparation thereof.

525/Cal/84 Hoechst Aktiengesellschaft. Water-soluble disazo compounds.

526/Cal/84 Hein, Lehmann AG. Screening Machine.

527/Cal/84 Kosan Teknova A/S. Regulator for mounting on the outlet connection of a gas cylinder or like container.

24th July, 1984

528/Cal/84 MNR Reprocessing, Inc. Process of recovering copper and of optionally recovering silver and gold by a leaching of oxide and sulfide-containing materials with water soluble cyanides.

25th July, 1984

529/Cal/84 Metallgesellschaft A. G. Process of hard-burning iron ore pellets on a traveling grate.

530/Cal/84 Aluminium Pechiney. A process for the continuous control of the power for kneading pastes intended for the production of carbon-containing agglomerates.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-5.

2nd July, 1984

528/Del/84 Otdelenie Vsesojuznogo Nauchno - Issledovatel'skogo Instituta Elektrotermicheskogo Oborudovaniya V Gorode Kharkove. "Apparatus for piezoelectric filling of power capacitors with liquid dielectric".

529/Del/84 The Goodyear Tire & Rubber Company, "A pneumatic tire".

530/Cal/84 Vereinigte Edelstahlwerke Aktiengesellschaft (VEW). "Rock bolt drilling and setting machine".

531/Del/84 Lodge-Cottrell Limited. "Most type electro precipitator discharge electrodes". (Convention date July 14, 1983).

3rd July, 1984

532/Del/84 Anglo American Corporation of South Africa Ltd.. "Gas detectors".

533/Del/84 John Derek Guest. "Quick release tube coupling" (Convention date July 21, 1983)

534|Del|84 Sanyo-Kokusaku Pulp Co. Ltd., "Bottom structure in a paper box for storage of liquid".

535|Del|84 James Howden & Company Ltd., "Impeller for a centrifugal fan". (Convention date July 5, 1983).

536|Del|84 Provesan S. A., "7-(1-Pyrrolyl) derivatives of substituted 1-ethyl-1, 4-dihydro-4-oxoquinoline-3-carboxylic acids and substituted 1-ethyl-1, 4-dihydro-4-oxo-J, 8-naphthyridine-3-carboxylic acids, their preparation and their application as drugs".

4th July, 1984

537|Del|84 Council of Scientific and Industrial Research, "New and improved process for the preparation of sym-n, n'-diakyl diarylurea".

538|Del|84 Council of Scientific and Industrial Research, "Improved automatic fire sprinkler for use as a fixed fire protection device".

539|Del|84 Council of Scientific and Industrial Research, "A method for the preparation of adhesive crayon".

540|Del|84 Council of Scientific and Industrial Research, "An improved electrochemical process for the reduction of nitrocompounds to p-aminophenols".

541|Del|84 PPG Industries, Inc., "Method and apparatus for liquefying pulverulent batch materials".

542|Del|84 Glaverbel, "Apparatus for and method of spraying for forming refractories". (Convention date July 30, 1983).

5th July, 1984

543|Del|84 Niky Tasha India Pvt. Ltd., "A cooking appliance".

544|Del|84 Niky Tasha India Pvt. Ltd., "A cooking appliance".

545|Del|84 Dr. V. N. Pandey, "A process for the isolation of Nimbatiktam from neem oil".

546|Del|84 The Director, All India Institute of Medical Science, "A device for evaluating the temperature sensation of the skin of a patient".

547|Del|84 The Director, All India Institute of Medical Science, "A device for evaluating the touch sensation of the skin of a patient".

548|Del|84 Schering Aktiengesellschaft, "Alkylthiophenylacrylonitriles for pest control".

549|Del|84 McDermott International, Inc., "Alignment of tubular piles for joinder".

6th July, 1984

550|Del|84 Hindustan Electronics Pvt. Ltd., "An improved wide range moving coil single loud speaker system".

551|Del|84 Colgate-Palmolive Company, "Continuous extraction apparatus and process".

7th July, 1984

552|Del|84 Charles Stein, "Solar air heating system".

553|Del|84 Hughes Aircraft Company, "Two-axis optical inertial system using a gyro rotor as a stable reference".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, BOMBAY AT TODI ESTATES, LOWER PAREL(W), BOMBAY-13

14th May, 1984

145|Bom|1984 M/s Hindustan Organic Chemicals Limited. A Low Temperature process for the Regeneration of spent copper Chromite Hydrogenation Catalyst.

146|Bom|1984 Indian Oil Corporation Limited. A Lubricating oil Additive.

16th May, 1984

147|Bom|1984 P. S. Das Two Wheel Drive Two Wheeler Bicycle.

148|Bom|1984 Packam & Company. Aluminium Bottle Container.

149|Bom|1984 Packam and Company. A Pilfer-Proof Aluminium Bottle.

17th May 1984

150|Bom|1984 Shivaprasad H Thaker. Smarty-Cat.

18th May, 1984

151|Bom|1984 Rohinton Keki Panthaki, System Design of Bottle Cooler which can be attached to all type of airconditioners and water coolers.

19th May, 1984

152|Bom|1984 Shambhulal Gordhanbhai Mistry. A time-piece contained striking adjusting device and alarm.

23rd May, 1984

153|Bom|1984 Zinser Textilmaschinen. Textile spindle Assembly.

154|Bom|1984 Zinser Textilmaschinen (U.K. 13-1-1984). Drawing apparatus for drawing slivers.

24th May, 1984

155|Bom|1984 Hoechst Pharmaceuticals Ltd. A process for the preparation of biologically active lycorine alkaloid and its salts from plants belonging to the Amaryllidaceae family and lycorine alkaloid and its salts obtained thereby.

25th May, 1984

156|Bom|1984 Priyal Khanderao Kulkarni, Vijay Priyal Kulkarni. Improvements in or relating to a device for a motor vehicle to reduce glare while driving caused by headlights of other motor vehicles.

26th May, 1984

157|Bom|1984 Dr. V. K. Tiwari, Dr. N. R. Kandaswamy, Prof. D. D. Deshpande, Director, IIT, Bombay. Thermomechanical Analyser (TMA).

158|Bom|1984 Dr. V. K. Tiwari, Dr. N. R. Kandaswamy, Prof. D. D. Deshpande, Director, IIT, Bombay. Torsion Pendulum (TP) and Torsion Braid Analyser (TBA).

159|Bom|1984 Maremont Corporation. Method and Apparatus for pressurising hydropneumatic shock absorbers.

81|Bom|1983 Complete left after provisional.

314|Bom|83 Complete left after provisional.

176|Bom|83 Complete left after provisional.

226|Bom|83 Complete left after provisional.

192|Bom|83 Complete left after provisional.

329|Bom|83 Complete left after provisional.

69|Bom|83 Complete left after provisional.

144|Bom|83 Complete left after provisional.

169|Bom|83 Complete left after provisional.

73|Bom|83 Complete left after provisional.

75|Bom|83 Complete left after provisional.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 159K

153850

Int. Cl. : B 61 1 1/02

A DEVICE FOR TRANSMISSION OF SIGNALS FROM AN APPARATUS NEARBY A RAILWAY TRACK TO RAILWAY VEHICLES.

Applicants : SIEMENS AKTIENGESSELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. HARALD HINTZ, 2. DIETRICH STOCKMANN.

Application No. 207/Cal/81 filed February 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A device for transmission of signals from an apparatus nearby a railway track to railway vehicles having receiving-demodulation—and analysis—devices arranged thereon by means of modulated alternating voltages, the device comprising a plurality of generators for the production of modulation frequencies in accordance with the item of information to be transmitted, wherein, for the transmission of the signal indication of two light signals which can be switched on individually or together, the generators are controlled by means of three opto-couplers each of which contains a radiation transmitter and a radiation receiver optically coupled thereto, the radiation transmitter of a first opto-coupler is connected to the circuit of one signal lamp and the two radiation transmitters of the second and third opto-couplers are connected to the circuit of the other signal lamp, and the radiation receivers of the first and second opto-couplers serve to actuate the generator(s) assigned thereto and the radiation receiver of the third opto-coupler serves to block the first opto-coupler.

Compl. specn. 12 pages. Drgs. 1 sheet.

CLASS : 94G

153851

Int. Cl. : B 02 c 25/00

A BOWL MILL FOR PULVERIZING COAL HAVING ELECTRONIC CONTROLLER OF HYDRAULIC PRESSURE FOR JOURNAL LOADING OF SAID BWL MILL.

Applicants : CUMBUSTION ENGINEERING, INC., 01-1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. THEODORE VINCENT MALISZEWSKI.

Application No. 265/Cal/81 filed March 11, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

In the combination of a gowl mill operative for pulverizing coal therewithin and a belt feeder means operative for feeding coal to the bowl mill, said bowl mill including a separator body, a grinding table supported on a shaft for rotation within the separator body, at least one grinding roll supported within the separator body so as to be operable to exert a grinding force on the coal disposed on the grinding table for purposes of effecting the pulverization thereof, and a hydraulic fluid means cooperatively associated with the grinding roll and operative for purposes of establishing the hydraulic journal loading on the grinding roll that enables the grinding roll to apply grinding force to the coal on the grinding table, the improvement comprising an electronic controller for effecting control over the hydraulic journal loading applied to the grinding roll in accordance with the rate at which coal is fed to the bowl mill by the belt feeder means, said electronic controller comprises :

- (a) first means cooperatively associated with the belt feeder means and operative for deriving an electronic signal therefrom corresponding to the rate at which coal is being fed to the bowl mill by the belt feeder means;
- (b) second means cooperatively associated with the hydraulic fluid means and operative for deriving a signal corresponding to the hydraulic pressure in the hydraulic fluid means;
- (c) a controller station having a pre-established bank of data stored therein, said controller station being connected in circuit relation with said first means for receiving in the form of a first input the electrical signal derived by said first means, said controller station further being connected in circuit relation with said second means for receiving in the form of a second input the signal derived by said second means, said controller station being operative to compare the information received by said controller station in the form of the first and second input with the pre-established bank of data stored in said controller station, said controller station being operative based on this comparison to selectively produce an increase pressure output signal or a decrease pressure output signal or no output signal;
- (d) hydraulic fluid supply means connected in fluid flow relation with the hydraulic fluid means, said hydraulic fluid supply means further being connected in circuit relation with said controller station;
- (e) third means interconnecting said controller station with said hydraulic fluid supply means and operative for transmitting the increase pressure output signal produced by said controller station to said hydraulic fluid supply means to cause said hydraulic fluid supply means to supply hydraulic fluid therefrom to the hydraulic fluid means to cause the hydraulic pressure in the hydraulic fluid means to increase; and
- (f) fourth means interconnecting said controller station with said hydraulic fluid supply means and operative for transmitting the decrease pressure output signal produced by said controller station to said

hydraulic fluid supply means to cause said hydraulic fluid supply means to receive hydraulic fluid from the hydraulic fluid means to cause the hydraulic pressure in the hydraulic fluid means to decrease.

Compl. specn. 28 pages. Drgs. 3 sheets.

CLASS : 152E

153852

Int. Cl. : C 08 k 1/00; C 08 h 5/00, 17/00

PROCESS OF PREPARING A PLASTICIZER FREE THERMOPLASTICS COMPOSITION COMPRISING A VINYLHALIDE OR VINYLIDENE HALIDE POLYMER OR COPOLYMER.

Applicants : WAVIN B. V., OF 251 HANDELLAAN, 8031 EM ZWOLLE, THE NETHERLANDS.

Inventors : 1. MRS. WALFRIDA GAZINA EUPHEMIA KUIPERS-KIEWIK, 2. JOHANNES AKKERMAN, 3. JOHAN GONS.

Application No. 454/Cal/81 filed April 30, 1981.

Convention date 3rd February, 1981 (203/81) (Ireland).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process of preparing a plasticizer free thermo-plastic composition as herein described comprising a vinylhalide or vinylidene halide polymer or copolymer, by adding as herein described at least one known stabilizing and/or lubricating agent, characterized in that a drying agent as herein described binding the escaping water on plasticizing said plastics, in a chemical or physical way, in an amount from 0.05 parts to 5 parts per 100 parts of the polymer is incorporated in the said composition.

Compl. specn. 22 pages. Drgs. 1 sheet.

CLASS : 62-C₁; 154H

153853

Int. Cl. : D 06g 1/00; 3/10; 3/66

PROCESS FOR DYEING AND PRINTING FIBER MATERIALS CONTAINING OR CONSISTING OF NATURAL CELLULOSE FIBRES, REGENERATED CELLULOSE FIBRES, NATURAL POLYAMIDE FIBRES AND/OR SYNTHETIC POLYAMIDE FIBRES.

Applicants : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

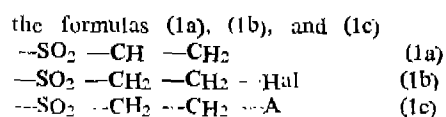
Inventors : 1. FRITZ MEININGER, 2. URSUL A OTTEN.

Application No. 528/Cal/81 filed May 16, 1981.

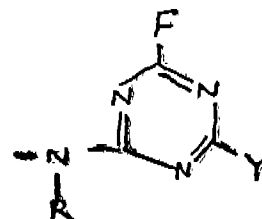
Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

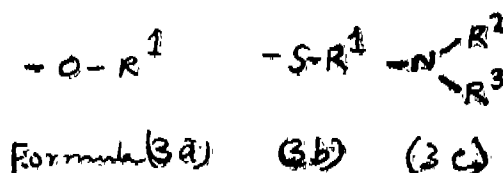
A process for dyeing or printing a fiber material containing or consisting of natural cellulose fibres, regenerated cellulose fibres, natural polyamide fibres and/or synthetic polyamide fibres, which comprises applying, at a temperature of from 15 to 120°C, to said fiber material an aqueous solution of a water-soluble dyestuff containing at least one sulfonic acid group and containing one or more groups belonging to the groups of



(in which Hal represents a halogen atom and A represents the acyloxy radical of a monobasic or polybasic acid), and containing a monofluorotriazinylamino radical of the general formula (2)



in which R is a hydrogen atom or an alkyl group of 1-4 C atoms, such as a methyl or ethyl group; Y is a radical of the formula (3a), (3b) or (3c)



in which R¹ represents an optionally substituted alkyl radical of 1 to 4 C atoms or an optionally substituted aromatic carbocyclic or aromatic heterocyclic radical, R² is a hydrogen atom or an optionally substituted lower aliphatic radical or a cycloaliphatic radical and R³ is a hydrogen atom or an optionally substituted lower aliphatic radical or an optionally substituted aromatic carbocyclic radical which, however, does not contain linked to it, an azo group, or a group of the formula (1a), (1b) or (1c); in the event that it is a phenyl or naphthyl radical, or R³ denotes a lower alkoxy group, a cyano group, a group of the formula --CS-NH₂ or an optionally substituted amino group, or in which R² and R³, together with the nitrogen atom, form a ring containing lower alkyl and optionally one or two hetero-atoms, such as a nitrogen or oxygen atom, such as form, for example, a morpholine, piperidine or piperazine ring, and then fixing this dyestuff on the fibre material by the action of an acid-binding agent, such as sodium hydroxide, potassium hydroxide or an alkali metal salt of a weak acid, or of a mixture of acid-binding agents at a temperature of 20 to 60°C or by the action of heat at a temperature of 100 to 230°C or by both measures.

Compl. specn. 33 pages. Drgs. 12 sheets.

CLASS : 108B₂ b

153854

Int. Cl. : C 21b 5/00, 13/00

PROCESS FOR PRODUCING HIGH GRADE IRON SPONGE PARTICLES FOR SMELTING PLANTS.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : 1. HORST SULZBACHER, 2. KURT STIFT, 3. GUNTHER SAIGER.

Application No. 570/Cal/81 filed May 28, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Process for producing high grade iron sponge particles for smelting plants, by treating the particles to protect the same

against reoxidation and/or against corrosion as well as for the purpose of improving the smelting characteristics of said particles, said process comprising applying in a known manner on the iron sponge particles a coating of Ca^0 as well as iron or iron oxides as an adhesion promoter and then spraying water onto said coating, characterized in that a second coating consisting a dust-shaped Ca^0 and a carbon carrier as hereinbefore described, optionally together with iron oxides and/or alloying elements as herein described is applied onto said first coating essentially consisting of hydrated Ca^0 and in that the second coating is humidified with a smaller amount of water than would be required for completely hydrating the Ca^0 contained within the second coating.

Compl. specn. 12 pages. Drgs. Nil.

CLASS : 32F(a); 55E.

153855

Int. Cl. : C 07 c 169/00; A 61 k 17/00.

PROCESS FOR EMULSIFYING A WATER-INSOLUBLE STEROID HAVING ANTI-INFLAMMATORY ACTIVITY TO OBTAIN A PRODUCT HAVING ANTI-INFLAMMATORY PROPERTIES.

Applicant : THE GREEN CROSS CORPORATION, OF 15-1, IMABASHI-1-CHOME, HIGASHI-KU, OSAKA, JAPAN.

Inventors : 1. YUTAKA MIZUSHIMA, 2. KAZUMASA YOKOYAMA, 3. KIUCHIRO NABETA, 4. NOBORU YAMADA, 5. TADAKAZU SUYAMA.

Application No. 918/Cal/81 filed August 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for emulsifying a water-insoluble steroid such as *herein described* having an anti-inflammatory activity to obtain a novel fat emulsion of an anti-inflammatory steroid a characterized by dissolving said water-insoluble steroid having an anti-inflammatory activity such as herein described and a known phospholipid into soybean oil, mixing the resulting solution when desired in the presence of isotonicizing agent as hereinbefore described with water to form initially a coarse emulsion and then homogenizing the coarse emulsion under application of a high pressure such as herein defined to form a steroid emulsion having a particle size of $\leq 1.0 \mu$, the amount of the soybean oil being 5 to 50% (W/V) based on the total volume of the steroid emulsion and the amount of the phospholipid being 1 to 50 to 100 of said soybean oil in a weight ratio.

Complete specification 17 pages. Drawing 6 sheets.

CLASS : 63I.

153856

Int. Cl. : H 02 k 19/00.

CIRCUIT ARRANGEMENT FOR PROTECTING THE EXCITATION CIRCUIT OF A SYNCHRONOUS MACHINE WITH A ROTOR WINDING FEED OVER SLIP RINGS.

Applicant : SKODA KNOČERNOVY PODNIK, 31600, PLZEN 16, CZECHOSLOVAKIA.

Inventors : 1. JAN SMOLAK, 2. JAROMIR SIMR.

Application No. 67/Cal/82 filed January 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

Circuit arrangement for protecting an exciting circuit of a synchronous machine with a rotor winding fed over slip rings, comprising active brushes, measuring brushes, a measuring ring, resistors, chokes, shunts, a measuring and a differential element, a circuit comprising a series connection of a second

shunt, a reactor and a second resistor is connected at a third and fourth node in parallel to terminals of the excitation voltage and a first resistor is connected in parallel to said terminals at a first and second node, one end of said first resistor is connected over a node to a first shunt which is connected to a second shunt over a differential element, the second end of the first resistor is connected over a second node to the second active brush bearing on the second slip ring connected in a second connecting point to one end of the rotor winding, while the second end of the first shunt is connected to the first active brush bearing on the first slip ring which is connected at the first connecting point with the second end of the rotor winding, the center of which is connected at a third connecting point to a measuring ring, on which a measuring brush is bearing, connected to a measuring element connected to a slidable center tap of the first resistor.

Compl. specn. 6 pages. Drgs. 1 sheet.

CLASS : 172B.

153857

Int. Cl. : D 01 d 5/00.

IMPROVEMENTS TO THE PROCESSES AND APPARATUS FOR FORMING FIBRES BY MEANS OF CENTRIFUGATION WHEELS.

Applicant : ISOVER SAINT-GOBAIN, 18, AVENUE D' ALSACE, F-92400, COURBEVOIE, FRANCE.

Inventors : 1. ALAIN DEBOUZIE, 2. DANIEL SAINTE FOI, 3. BLADIN YANNICK.

Application No. 186/Cal/82 filed February 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A process for the manufacture of fibers in which the material intended to form the fibers is conducted in the attenuable state on an apparatus for centrifugation comprising several wheels driven in rapid rotation, the material in form of a stream flowing on the peripheral surface of a first wheel where it is accelerated and projected on a second wheel, rotating in the opposite direction, at least a part of said material adhering on the surface of said second wheel then detaching itself from said surface under the effect of the centrifugal force in the form of fibers, the possible part in excess being projected on the surface of a possible third wheel and so on, the fibers detaching from the wheels being projected in a gas current directed transversely, to the path of the projected fibers and completing the attenuation of the fibers and entraining said fibers, and in which a liquid composition for the treatment of the fibers is centrifugally projected transversely to the gas current carrying along the fibers, in the immediate vicinity of the wheel, under such conditions that drops of composition are formed of which the size is sufficient to penetrate into the gas current, said drops bursting under the action of the gas current the speed of which at the level of the wheels is comprised between 50 and 180 m/s.

Compl. specn. 44 pages. Drgs. 7 sheets.

CLASS : 152 C.

153858

Int. Cl. : C04b 35/00, 33/00.

"PROCESS FOR PRODUCING BONE TRANSDUCER MATERIALS."

Applicant : SURENDRA SINGH, JITENDRA BEHARI AND DURG VIJAY RAI, SCHOOL OF ENVIRONMENTAL SCIENCES, JAWAHARLAL NEHRU UNIVERSITY, NEW MAHRAULI ROAD, NEW DELHI-110 067.

Inventors : SURENDRA SINGH, JITENDRA BEHARI AND DURG VIJAY RAI.

Application for Patent No. 110/Del/80 filed on 15 February, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A composition for making transducer consisting of bone extract such as collagen and apatite doped with at least one additive acceptable to bone lattices such as herein described and a binder as described herein.

Complete specification 6 pages.

CLASS : 32B.

153859

Int. Cl. : C07c 9/04.

"METHOD FOR RECOVERING METHANE FROM COAL SEAMS."

Applicant : ALGAS RESOURCES LTD., OF BOW VALLEY SQUARE 2, 205 FIFTH AVENUE S.W., BOX 9294, CALGARY, ALBERTA, CANADA, T2P 2W5, A COMPANY INCORPORATED UNDER THE LAWS OF THE PROVINCE OF ALBERTA, CANADA.

Inventors : DENSE GEORGE MASSZI.

Application for Patent No. 154/DEL/80 filed on 4th March, 1980.

Convention date 19th October, 1979/7936334(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A process for recovering from an underground coal seam methane gas which occurs in adsorbed form in said coal seam, in which process a borehole has been provided extending from the surface of the earth underground through overburden to a terminal point in or adjacent to the coal seam, characterized by forming at said terminal point an underground cavity by techniques such as herein described at least partly in or immediately adjacent to said coal seam, said cavity being located such that the pressure of said overburden is greater than the crushing strength of said cavity, said cavity having a radius at least five times the radius of said borehole at said terminal point, said cavity being unsupported, non-self-protecting and, hence, collapsible such that under the influence of triaxial compression coal from said coal seam will move toward and into said cavity, thereby fracturing and converting methane gas adsorbed in the coal into methane gas in free form, and recovering said free form methane gas from said cavity via said borehole.

Complete specification 10 pages.

CLASS : 32F2x

153860

Int. Class : C07c 91/26

"A METHOD OF PREPARING ANHYDROUS SOLUTION OF QUATERNARY AMMONIUM COMPOUNDS IN 2-PYRROLIDONE".

Applicant : ARTHUR CONARD BARNES AND CARL EDMUND BARNES, both citizens of the United States of America, of 482 Trinity Pass Road, New Canaan, Connecticut 06840, United States of America.

Inventors : ARTHUR CONARD BARNES AND CARL EDMUND BARNES.

Application for patent no. 183/DEL/80, filed on 12th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

3 Claims

The method of preparing anhydrous solution of quaternary ammonium compounds in 2-pyrrolidone comprising

adding the wet quaternary ammonium compound to 2-pyrrolidone and distilling off under vacuum from 5 to 50 percent of the 2-pyrrolidone whereby a substantially anhydrous solution of the quaternary ammonium compound in 2-pyrrolidone is formed.

Complete specification 8 pages.

CLASS : 146D₃

153861

Int. Class : G03b 21/00

"AN AUDIO-VISUAL FILM STRIP PROJECTOR DEVICE FOR FRAME BY FRAME PROJECTION OF A FILM STRIP".

Applicant : Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : Autar Singh, Pritam Singh, Mulakh Raj Kapoor.

Application for patent No. 190/DEL/80 filed on 14th March, 1980.

Complete specification left on 8th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

7 Claims

An audio-visual film strip projector device for frame by frame projection of a film strip in synchronisation with audio signals consisting in combination a frame by frame film strip projector means and synchroniser means comprising a Jones socket which actuates a relay coil through a resistance and the relay coil energises a trigger motor for rotating the spindle of the said projector, to effect synchronisation of the projection of each visual frame with corresponding audio signal from audio means such as tape recorder or the like.

Provisional specification 6 pages Drawing 2 sheets.

Complete specification 10 pages. Drawing 4 sheets.

CLASS : 129Q & 98G

Int. Class : B23k 37/00

"A WELDING MACHINE FOR JOINING TUBES TO TUBE SHEETS".

Applicant : BHARAT HEAVY ELECTRICALS LIMITED., 18-20, Kasturba Gandhi Marg, New Delhi-110 001, India, an Indian Company.

Inventors : Suresh Srinivasan, Ajit Kumar Garg, Regubady Ramanadhin.

Application for patent no. 192/DEL/80 filed on 15th March, 1980.

Complete specification left on 11th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

5 Claims

A welding machine for joining tubes to tube sheets for forming heat exchanger assemblies comprising a main body, housing a spindle supported on bearings, an electric motor on said body for operating the spindle, a torch holder assembly mounted on one end of the spindle comprising a torch and tungsten feed wire guides mounted on the said spindle, characterized in a locator assembly including a self-aligning mandrel attached to the extreme end of the spindle and adapted to be pushed inside the tube to be welded to the tube sheet said body having holding means or handle and a pilot rod assembly made of a pilot rod adapted to be pushed or held within another spaced tube to hold

the whole machine in operating position and a wire feed means attached to the other free end of said body.

Provisional specification 4 pages. Drawing 1 sheet.

(Complete specification 9 pages).

CLASS : 66D & 64B_a

153863

Int. Class : H01r 33/00

"ELECTRICAL CONNECTOR".

Applicant : CECIL FRANCIS LANGNER AND JUNE BESSIE LANGNER, both British subjects, of Brownings, Lewes Road, Scaynes Hill, Nr. Haywards Heath, Sussex, Great Britain.

Inventors : CECIL FRANCIS LANGNER AND JUNE BESSIE LANGNER.

Application for patent no. 206/Del/80 filed on 18th March, 1980.

Convention date 28th March, 1979/7910751/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

16 Claims

An electrical connector comprising a housing, an input terminal at one end of said housing an output terminal at an opposite end of said housing slidably mounted in the housing for movement between an extended and a retracted position, a conductive bridging member electrically connected to the output terminal, first spring means urging the bridging member towards the input terminal, an intermediate member positioned intermediate the input terminal and the output terminal and movable between a first position in which it permits electrical connection between the input terminal and the bridging member and a second position in which electrical connection between the input terminal and the bridging member is interrupted, said first position being selectable only manually by a user and said second position being assumed in response to extension of the output terminal, and second spring means urging the intermediate member towards said second position, the first spring means being arranged such that when the output terminal is retracted the first spring means exerts a force through the bridging member on the intermediate member which overcomes the force of the second spring means, whereas when the output terminal is extended the force exerted by the first spring means is overcome by that of the second spring means whereby the intermediate member assumes said second position in response to extension of the output terminal.

(Complete specification 12 pages. Drawing 2 sheets).

CLASS : 119, F. 4.

153864

Int. Cl. D03d-49/00.

Title : IMPROVED PICKERS FOR NON-AUTOMATIC OVERPICK LOOMS.

Applicant : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, AN INDIAN REGISTERED BODY, REGISTERED UNDER SOCIETY'S REGISTRATION ACT, XXI OF 1860. P.O. POLYTECHNIC AHMEDABAD-380 015, GUJARAT, INDIA.

Inventors : (i) VIJAYSINH SARDARSINH JADEJA (ii) RAMKISHAN BABURAO JADHAV, (iii) PRADUMAN, SINGH RAIVIRSIKH JHALA, (iv) CHITHATHOOR GOPALAN VENKATARAMANAN, ALL INDIAN AND ALL OF AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD-380 015, GUJARAT, INDIA.

Application No. 132/Bom/1981. Filed on May 11, 1981. [POST DATED TO JUNE 15, 1981]

Complete after Provisional left on Aug. 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

4 Claims

A picker of the kind as hereinbefore described for a non-automatic overpick loom, characterised in that two horizontal open slots, as hereinbefore defined, are provided at each end wall of the picker near 1st top, and a connecting member is rotatably held in either of said two open slots by a retaining member, said connecting member being connected to a picking band for relative movement of the picker and the picking band at any angle in the horizontal plane.

Complete specification 13 pages; Drawings 3 sheet.

Provisional specification 5 pages; Drawing 2 sheet.

CLASS : 125. B. 3.

153865

Int. Cl. B65d-41/56.

Title : AN IMPROVED DEVICE FOR DELIVERING A SINGLE MEASURED QUANTITY OF THE LIQUID CONTENTS OF BOTTLES OR LIKE CONTAINERS, AT EACH POURING.

Applicant & Inventor : JULIAN SHEPPARD, AN INDIAN CITIZEN OF B/404 OM SRINATH KUNJ, 2ND KASTURBA ROAD, BORIVLI EAST, BOMBAY-400 066, MAHARASHTRA, INDIA.

Application No. 188/Bom/1981 Filed on Jun 29, 1981.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Bombay Branch.

4 Claims

An improved device for delivering a single measured quantity of the liquid contents of bottles, or like containers, at each pouring, consisting of an outer Chamber, an Inner Chamber and a Tube-like Assembly; the said outer Chamber, totally envelopes the Inner Chamber, and is open at both ends, one end being adapted to be fitted to the said Tube-like Assembly, and other end being shaped to act as the discharge spout; the Inner Chamber has an opening at the end, adapted to be fitted to the said Tube-like Assembly, and, adjacent to it, an open-ended tubule contained within and projecting through both ends of a tube, one end of which is open and is adapted to be tightly fitted into the neck of the bottle, and the other, closed end, which is provided with a flange on which the said outer Chamber is fixed, has two holes or openings, one of which, as well as the projecting end of the said tubule, are surrounded by a collar on which the Inner Chamber is fixed, such that, when the said device is assembled into a single unit and is properly fitted to the bottle, and the said bottle is inverted, a measured quantity of liquid, is delivered through the spout of the said device, the measured quantity being determined by the volume of the said Inner Chamber, as well as by the relative dimensions of the two said openings provided in the closed end of the said Tube-like Assembly.

Complete specification 12 Pages Drawings—1 sheet.

CLASS 205-C

153866

Int. Cl. B 60 b 5/00.

AN IMPROVED ANIMAL DRIVEN CART WHEEL.

Applicants & Inventors : (1) DESOOR RAJAGOPAL, DEVASENADHIPATHY, 'SHIVA KRUPA', No. 258, VII BLOCK, JAYANAGAR, BANGALORE-560 001, KARNATAKA, (2) DESOOR RAJAGOPAL VISHWESVARAN, 'SHIVA KRUPA', No. 258, VII BLOCK, JAYANAGAR, BANGALORE-560 011, KARNATAKA, (3) DESOOR RAJAGOPAL KARTHIKEYAN, 'SHIVA KRUPA', No. 258, VII BLOCK, JAYANAGAR, BANGALORE-560 011, KARNATAKA & (4) DESOOR RAJAGOPAL SKANDAPRABHU.

Application No. 203/Mas/80 filed November 17, 1980.

Complete specification left February 3, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An improved animal driven cart wheel comprising a hub, a first and a second set of spokes mounted on the hub, a rim and a tyre; wherein said rim is formed from a plurality of spacedly disposed arcuate segments held in position by adjustable locking means provided at the diverging end of each said first set of spokes; each said second set of spokes being provided at its diverging end with a head movable along the length of the spoke and adapted to wedge within the space formed between two adjoining segments, and means for fixing the head along the length of the spoke to adjust the radial distance of the segments from the hub.

(Prov. 8 pages; Com. 8 pages; Drwgs. 2 sheets)

CLASS : 32-F

153867

Int. Cl. D 06 p 3/26+3/36.

A METHOD OF MANUFACTURE OF COLOURED POLYVINYL ACETATE AND POLYURETHANE COATED ENAMELLED WIRE.

Applicant : LUCAS-TVS LIMITED, PADI, MADRAS-600 050, TAMIL NADU.

Inventors : (1) NILAKANTAN BALASUBRAMANIAN (2) VELLORE NAVANEETHA LOGANATHAN.

Application No. 100/Mas/81 filed May 22, 1981.

Complete specification left August 23, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims. No drawing

A method of manufacture of coloured polyvinyl acetate and polyurethane coated enamelled wire comprising the dissolution of basic dyes of the desired colour in methyl or ethyl alcohol and admixing a solvent such as herein described; preheating a coil of the said wire to 150°C and dipping it in its heated state in the solvent bath maintained at room temperature and agitating the same in order to ensure penetration of the solvent bath in between the coil layers; and removing the coil from the bath and drying the same.

(Prov.—3 pages; Com.—6 pages)

CLASS. 32-E

153868

Int. Cl. D 06 p 3/26+3/36

A METHOD OF MANUFACTURE OF COLOURED POLYVINYL ACETATE AND POLYURETHANE COATED ENAMELLED WIRE.

Applicant : LUCAS-TVS LIMITED, PADI, MADRAS-600 050, TAMIL NADU.

Inventors : (1) NILAKANTAN BALASUBRAMANIAN (2) VELLORE NAVANEETHA LOGANATHAN.

Application No. 101/Mas/81 filed May 22, 1981.

Complete specification left August 23, 1982.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims. No drawing

A method of manufacture of coloured polyvinyl acetate and polyurethane coated enamel wire comprising the dissolution of basic dyes of the desired colour in methyl or ethyl alcohol and admixing a solvent such as herein described, the volume of the resulting solvent bath being such as to enable a coil of the said wire to be immersed therein; dipping a coil of the said wire in the solvent bath at room temperature and agitating the same in order to ensure penetration of the solvent bath in between the coil layers; and removing the coil from the bath and drying the same.

(Prov.—3 pages; Com.—6 pages)

2—207G1/84

CLASS : 107(F+G)

153869

Int. Cl. H 01 t 21/00 & B 25 f 9/00.

A SPARK PLUG GAP RESETTING DEVICE.

Applicant & Inventor : MRS. RAJI SARVOTHAM NAYAK, 87, 6TH BLOCK, RAJAJI NAGAR, BANGALORE-560 010, KARNATAKA.

Application No. 118/Mas/82 filed May 27, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A spark plug gap resetting device comprising three at units hinged together at one end in the manner of a folding knife, the said three units are a Feeler Range, a carbon cleaner and an Adjuster, wherein;

the Feeler Range consists of a flat plastic member at whose one edge are attached successively a number of wire loops, the wire loops being made of wires of different diameter and bent in the form of a channel with their ends embedded in the said plastic member,

the carbon cleaner is a tapered steel strip, tapered at the tip into a semicircle of 0.5 mm radius, hardened and tempered, and

the adjuster is a steel strip having two slots of 1.8 mm width near its end, one slot being in the horizontal edge and the other slot in the vertical edge, both slots being at 8° angle, and the adjuster being hardened and tempered.

(Com.—6 pages; Drwgs.—3 sheets)

CLASS. 89 & 27-I

153870

Int. Cl. E 02 d 33/00; G 01 m 5/00+19/00 G 01 m 5/00.

AN APPARATUS FOR TESTING THE UPLIFT CAPACITY OF FOUNDATION OF TRANSMISSION LINE TOWERS.

Applicant : BEST & CROMPTON ENGINEERING LIMITED, 29, RAJAJI SALAI, MADRAS-600 001, TAMIL NADU.

Inventors : (1) NATRAJA PILLAI KANTHIMATHI NATHAN (2) SUBRAMANIAN RUDRAPATHI (3) ASPARI SRINIVASULU BALACHANDRAN.

Application No. 184/Mas/82 filed September 29, 1982.

Complete specification left November 20, 1982.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

An apparatus for testing the uplift capacity of the foundation of a transmission line tower comprising a loading frame mounted on rigid supports firmly embedded in the ground; pulling means provided with a calibrated load cell for measuring the pull applied, said pulling means being mounted on the frame for exerting a pull on an embedded anchor stub located under the frame, the said means being provided with a trunnion block to permit the pull to act along the axis of the stub; at least one deformation gauge provided for the pulling means for determining the displacement of the stub; a rod welded to the stub and fixed to the said means, whereby the pull exerted by the said means and transmitted to the rod tends to lift the stub from the ground, while the pull exerted and the displacement of the stub are simultaneously determined by the load cell and the deformation gauge.

(Prov.—6 pages; Com.—8 pages; Drwgs.—1 sheet).

CLASS : 98-I

153871

27 Claims

Int. Cl. F 24 j 3/02.

AN IMPROVED SOLAR WATER HEATER APPARATUS WITH SUPPLEMENTARY AUTOMATIC ELECTRIC HEATING ARRANGEMENT.

Applicant : TUNGABHADRA STEEL PRODUCTS LIMITED, P.O. : TUNGABHADRA TAM-583 335, DIST. : BELLARY, KARNATAKA.

Inventor : RAMARAO NAGARAJA.

Application No. 80/Mas/81 filed April 20, 1981.

Complete specification left June 21, 1982.

Patent of Addition to No. 150404 filed July 28, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

An improved solar water heater apparatus as claimed in our Indian Patent No. 150,404 wherein the insulating storage tank is having thermosiphon heating system comprising solar collectors and supplementary automatic electric heating arrangement for uninterrupted operation of the solar water heater under inclement weather conditions and which solar water heater apparatus comprises in combination (i) an insulated storage tank having a cold water inlet provided with a float valve, a cold water outlet connectable to cold water inlet of a plurality of solar collectors, a hot water outlet of said solar collectors connectable to hot water inlet in said insulated storage tank, an air vent-cum-overflow pipe and a drain pipe provided with a stop cock, and also having a supplementary electrical heating system provided below said hot water outlet on one side of said tank and connected to electric mains supply through a thermostatic switch; and (ii) each of said plurality of solar collectors having one or more interconnectable modular panels, each panel consisting of a thermally insulated housing being lined by a metallic or metallised polyester film and accommodating one or more heat absorbant plates having a coat of dull black paint, said plate being encased in a transparent casing having stagnant air space in-between a pipe grid consisting of vertically extending pipes having an inlet and an outlet positioned below the heat absorber, the said solar collector being mounted at an angle inclined to the horizontal plane so as to be exposed to maximum sun-light, the arrangement being such that when water circulates by gravity from the insulated storage tank through said pipe grid and heat from respective heat absorbers is uniformly extracted and hot water is discharged into the storage tank through 'thermosiphon' system and wherein said electric heater is automatically switched 'ON' by said thermostatic switch when the temperature of water in insulated tank goes below pre-set temperature on said thermostatic switch thereby providing uninterrupted hot water supply even in inclement weather.

(Prov.—11 pages; Com.—10 pages; Drwgs.—3 sheets)

CLASS : 136-F.

153872

Int. Cl. B 29 i 1/00.

A METHOD AND A MACHINE FOR CONTINUOUSLY PRODUCING FIBRE REINFORCED PLASTICS STRUCTURAL SECTIONS OF UNIFORM CROSS SECTIONS.

Applicant : INDIAN SPACE RESEARCH ORGANISATION, F-BLOCK, CAUVERY BHAVAN, DISTRICT OFFICE ROAD, BANGALORE, KARNATAKA.

Inventors : (1) MEKKOTH RAMAKRISHNAN (2) RAMASWAMY IYER SUBRAMANIAM.

Application No. 130/Mas/81 filed July 9, 1981.

Complete specification left September 25, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

A method for continuous production of fibre reinforced plastic structural sections of uniform cross section comprising the steps of (a) drawing fibre reinforcements from a plurality of spools, (b) passing said fibre reinforcements through a bath of resin matrix, (c) squeezing out excess resin from the resin soaked fibre reinforcements, (d) obtaining the structural section of required cross section by curing said resin soaked fibre reinforcements which are passed through a die having commensurate core structure, (e) drawing out said structural section from said die continuously, and thereafter (f) severing preselected lengths of said structural section.

(Prov.—2 pages; Com.—17 pages; Drawgs.—5 sheets each of size 33.00 cms × 41.00 cms).

CLASS : 24-D₁

153873

Int. Cl. B 60 t 17/00.

MASTER CYLINDER

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM-19, ENGLAND.

Inventors : (1) DEREK JOSEPH FLYNN (2) ALFRED WILLIAM THOMAS (3) JOHN FLORY PICKERING.

Application No. 139/Mas/81 filed August 5, 1981.

Convention date : August 14, 1980 (No. 8026497 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A master cylinder comprising a body with an axial bore open at the rear end of the body, a reservoir chamber, a transverse port in the body opening into the bore and positioned rearwardly of the reservoir chamber, and a passageway communicating said reservoir chamber with said transverse port, said passageway being defined over at least part of its length between the outside of the body and a member mounted on the body.

(Com.—12 pages; Drwgs.—2 sheets, each of size 33.00 × 41.00 (ms).)

CLASS : 24-D₂

153874

Int. Cl. B60t 7/00+13/00.

IMPROVEMENTS IN TRAP-LINE PRESSURE VALVES FOR BRAKE ACTUATION SYSTEMS.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM-19, ENGLAND.

Inventor : (1) JOSEF PICKENHANN (2) LEO GILLES.

Application No. 195/Mas/81 filed October 23, 1981.

Convention date November 1, 1980 (No. 8035194 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

(10 claims)

A trap-line pressure valve of the kind set forth incorporating pressure-responsive means defining a movable area which, when subjected to a negative pressure, generates a net force greater than, and acting to oppose, the force in the first spring, so that the trap-line valve opens automatically at the commencement of vacuum bleeding, whereafter unrestricted evacuation of air can take place.

Compl. 10 pages. Drgs. 3 sheets.

Ind. Cl. 28B+180.

153875.

Int. Cl. F23d 3|00, 21|00.

IMPROVED BLOW LAMP.

Applicant : OLIVON INDUSTRIAL AND EXPORT CORPORATION A PARTNERSHIP FIRM REGISTERED UNDER THE INDIAN PARTNERSHIP ACT WHOSE PARTNERS ARE DAWOOD NOMANBHAI RANGWALLA FAKHRUDDIN NOMANBHAI RANGWALLA AND MRS NARGIS DAWOOD RANGWALLA ALL INDIAN NATIONALS HAVING OFFICE AT UDYOG MANDIR NO. 2 PITAMBER LANE MAHIM WEST BOMBAY-500 016, MAHARASHTRA INDIA.

Inventors : 1. DAWOOD NOMANBHAI RANGWALLA.
2. FAKHRUDDIN NOMANBHAI RANGWALLA.

Application No. 281|BOM|82 filed on October 20, 1982.

Complete after provisional left on August 27, 1983.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

(6 claims)

1. An improved blow lamp which comprises a fuel tank, a fuel inlet with air pressure release key provided in the top cover of the fuel tank, an air pressure pump of known type similar to pressure sleeves fitted into a collar projecting from the top of the fuel tank, a burner assembly inclindly fitted in the centre of the top cover of the fuel tank, a burner housing covering the burner assembly having slots for air entry and providing a convergent duct for the flame outlet, a cup shaped member provided to the said burner housing beneath the burner pipe and nipple, a handle formed off a flat bar having a lower portion and an upper portion both the portions being separated and fixed to a sleeve at the free ends and the said sleeve slid over the collar of the air pressure pump and tightened by the threaded cap provided on the said pump.

Prov. specn. 3 pages. Drgs. Nil.

Compl. specn. 8 pages. Drgs. 1 sheet.

CLASS : 148c.

153876.

Int. Cl. G03d 15|04.

"APPARATUS FOR USE IN FILM SPLICING".

Applicant : THE RANK ORGANISATION LIMITED, OF 11 HILL STREET, LONDON W1X 8AE, ENGLAND, A BRITISH COMPANY.

Inventors : ROGER CHARLES BARNETT, ROBERT GEORGE SHARPLESS AND COLIN FRANCIS MOSSMAN.

Application for patent No. 168|Del|80 filed on 7th March, 1980.

Convention date 7th March, 1979|7907989 (Great Britain).

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

(7 claims)

Apparatus for use in film splicing, comprising a carriage having an upper surface for supporting a film strip which has a free end to be spliced to the free end of a second film strip, means mounting the carriage for linear movement laterally back and forth transverse to the length of the film strip supported on said carriage surface, a table support on which the second film strip is locatable parallel to the first film strip on said carriage, said support being fixed against lateral movement, a first scraper carried by the movable carriage and a laterally fixed second scraper, the arrangement being such that, during transverse movement of the carriage in use, the first scraper scrapes the end of the second film strip and the second scraper scrapes the end of the first film strip, while after scraping the carriage is laterally repositionable within its range of back and forth movement with the scraped film ends in alignment for splicing.

Compl. specn. 12 pages. Drawings 3 sheets.

CLASS : 40C.

153877.

Int. Cl. C08g 53|00.

"A PROCESS FOR THE PREPARATION OF IMPROVED POLYMERIC ACRYLIC RESIN EMULSIONS FOR USE AS BINDERS FOR PIGMENTS IN LEATHER INDUSTRY".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SAMBOSANKARAN RAJADURAI, KALATHUR SABDHAM VANGEEPURAM SRINIVASAN & KRISHNASWAMI PARTHASARATHY.

Application for patent No. 207|Del|80 filed on 18th March, 1980.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(5 claims)

A process for the preparation of improved polymeric acrylic resin emulsions for use as binders for pigments in leather industry comprising subjecting to addition polymerisation acrylic monomers in the presence of an anionic or nonionic emulsifier and a catalyst therefor like potassium or sodium persulphate at a temperature range of 66°-80°C for a period of upto 3 hours.

Compl. specn. 8 pages.

CLASS : 32F3(n).

153878.

Int. Cl. C07c 51|32.

"AN IMPROVED ONE STEP PROCESS FOR THE PREPARATION OF 2, 2-DIMETHYL-3 (2-OXOPROPYL)-CYCLOPROPANE ACETIC ACID".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors RAJAT BARAN MITRA, VASANT KASHINETH HINGE AND ARDHENDU SEKHAR KHANRA.

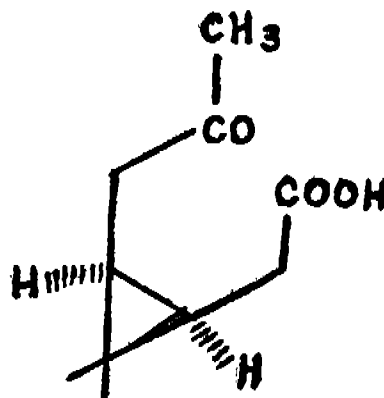
Application for patent No. 208|Del|80 filed on 18th March, 1980.

Complete specification left on 16th April, 1981.

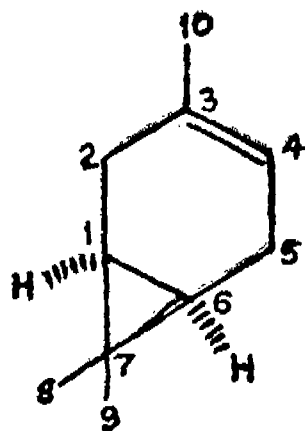
Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(5 claims)

An improved one step process for the preparation of 2, 2-dimethyl-3-(2-oxopropyl)-cyclopropane acetic acid of formula (I).



comprising oxidation of (+) 3-carane of formula (II).



in an aqueous tertiary butyl alcohol with acidic solution of potassium permanganate and separating the reaction product from the reaction mixture by known method such as herein described.

Provisional specification 2 pages.

Drgs. one sheet.

Compl. specn. 6 pages.

CLASS : 48A.

153879.

Int. Cl. C04b 43/00.

"A METHOD FOR THE PRODUCTION OF INSULATED COPPER WIRES".

Applicant : DR. BECK & CO. AG., OF 2000 HAMBURG 28, GROSSMANNSTRASSE FEDERAL REPUBLIC OF GERMANY, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

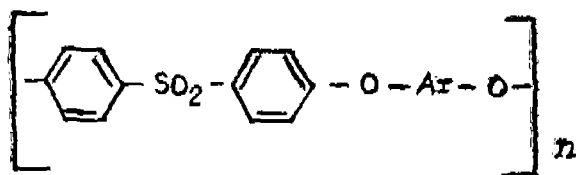
Inventors : HARALD JANSSEN, EDERHARD KERTSCHER, GERD BLINNE AND FRANZ SCHMIDT.

Application for patent No. 210/Del/80 filed on 19th March, 1980.

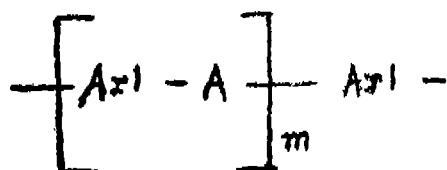
Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(3 claims)

A method for the production of insulated copper wires by extruding the wire without after-treatment such as stretching with a superposed layer of the amorphous aromatic polyether sulfone having the formula I



wherein Ar is a bivalent phenylene, diphenylene or



wherein Ar' is a bivalent phenylene group, A is a bivalent group from the group-SO₂-, -CO-, -NH-CO- and -CO-NH-, m is 1 or 2 and n is an integer from 50 to 150.

Compl. specn. 18 pages. Drawings one sheet.

CLASS : 55F.

153880.

Int. Cl. C12b 3/00.

"A PROCESS FOR THE PREPARATION OF A CULTURE MEDIUM FOR DETERMINATION OF FAECAL COLIFORMS IN POTABLE WATER".

Applicant : CHIEF CONTROLLER OF RESEARCH AND DEVELOPMENT, RESEARCH AND DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, NEW DELHI-110011, INDIA AN INDIAN NATIONAL.

Inventors : RAM GOPAL, TRILOKCHAND CHHOTELAL TAK, MANKANWAR BHUTRA.

Application for patent No. 711/Del/80 filed on 1st October, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(4 claims)

A process for the preparation of a culture medium which consists in adding lactose to casamino acid, sodium formate, sodium lauryl sulphate, sodium desoxy cholate and neutral red, lactose being present in an amount greater than that of casamino acid and sodium formate.

Compl. specn. 8 pages.

CLASS : 32F.c.

153881.

Int. Cl. B01f 17/00.

PROCESS FOR THE PREPARATION OF CARBOXYLIC SOLUBILIZER/SURFACTANT COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION 29400 LAKELAND BLVD. WICKLIFFE, OHIO 44092 U.S.A.

Inventor : 1. JOHN WESLEY FORSBERG.

Application No. 1009/Cal/79 filed September 25, 1979.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(33 claims)

A process for the preparation of carboxylic dispersant/surfactant compositions comprising (A) preparing at least one nitrogen-containing, phosphorus-free carboxylic dispersant by reacting (A) (I) at least one carboxylic acid acylating agent having at least one hydro-carbonyl based substituent of 12 to 500 carbon atoms with (A) (II) at least one (a) N-(hydroxyl-substituted hydrocarbyl) amine, b) hydroxyl-substituted poly (hydrocarboxy analog of said amine or (c) mixtures of (a) and (b); and (B) mixing with the product of A) at least one surfactant.

Compl. specn. 33 pages. Drawings 1 sheet.

CLASS : 70B.

153882.

Int. Cl. B01k 3/08.

METHOD FOR MANUFACTURING SOEDERBERG CARBON ELECTRODES.

Applicant : ELKEM A/S, OF ELKEMHUSET, MIDDELTHUNSGATE 27, OSLO 3, NORWAY AND CARBOINDUSTRIAL S.A. OF CENTRO INDUSTRIAL DA GRANDE VITORIA, CIVIL, CEP 29160 SERRA, ESPIRITO SANTO, BRAZIL.

Inventors : 1. GERALDO SOARES DE SANTANA, 2. DAVID GONCALVES DE OLIVEIR, 3. WILLIAM BRUFF.

Application No. 1139/Cal/79 filed October 31, 1979.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(8 Claims)

A process for the manufacture "in loco" of a Soederberg carbon electrode for an electric furnace, in which process electrode paste comprising a mixture of carbonaceous material with a hydrocarbon binder material is heated to first soften the paste and then bake it into a baked electrode structure, said heating being performed at a first stage of a feed path for that electrode into the furnace in which the electrode is used, and in which electric operating current for the operation of the furnace is supplied to the thus-formed baked electrode at a second stage in that feed path separate from the first stage, the heating at the said first stage being performed by means of heat supplied independently of the operating current.

Compl. specn. 9 pages. Drawing 1 sheet.

CLASS : 129E.

153883.

Int. Cl. B21k 1/08.

A METHOD OF MANUFACTURING A CRANK ARM FOR A WELDED CRANKSHAFT, AND AN EQUIPMENT FOR CARRYING OUT THE METHOD.

Applicant : B & W DIESEL A/S, OF NO. 2 TORVEGADE, 1400 COPENHAGEN K, DENMARK.

Inventors : 1. BURMEISTER & WAIN A/S 2. ERIK HANSEN.

Application No. 1362/Cal/79 filed December 31, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(8 claims)

A method of manufacturing a crank arm with an integral crank pin and a main journal pin for a welded crank shaft, starting from a blank having two opposed, flat or substantially flat lateral surfaces with two provisional stubs formed in opposite directions and disposed perpendicular to said lateral surfaces at the locations of the eventual crank and journal pins comprising subjecting each of the provisional stubs to a subsequent axial elongation by the action of a pressing mandrel which is pressed, from the opposed lateral surface of the blank, into the blank in the direction of the axis of the respective stub which, during this operation, is received along its peripheral surface within a mating aperture, wherein during the axial elongation of each provisional stub an anvil is arranged below the end face of the provisional stub centrally of said aperture with a radial clearance from the wall of the aperture, and wherein the movement of the pressing mandrel into the blank is stopped when the end face of the mandrel is spaced a short distance from the opposed end face of the anvil.

Compl. specn. 14 pages.

Drgs. 6 sheets.

CLASS : 131B₃.

153884.

Int. Cl. E21c 19/00.

APPARATUS FOR THE PREPARATION OF DRILL MUD.

Applicant : SREDNEAZIATSKY NAUCHNO-ISSLEDovATELSKY INSTITUT PRIRODNOGO GAZA, OF TASHKENT, ULITS A TARASA SHEVCHENKO, 2, U.S.S.R.

Inventors : 1. VITOLD MIKHAIL BAKHIR, 2. STANISLAV AFANASIEVICH ALEKHIN, 3. ANVAR NADZHIMITDINOV, 4. JURY PETROVICH TIKHONOV, 5. ALEXANDR ALEXANDROVICH BUROV.

Application No. 390/Cal/80 filed April 3, 1980.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(4 claims)

An apparatus for the preparation of drilling mud, comprising a loading hopper which has nozzles connected to a source of a mixing liquid and communicates with a chamber of a jet mixer which accommodates a pipe communicating with a pump and having a jet nozzle; characterized by a diaphragm electrolyzer inserted in a line for feeding a mixing liquid, the interior of the negative electrode of the diaphragm electrolyzer being connected to the nozzles of the loading hopper and to the pipe of the jet mixer.

Compl. specn. 10 pages.

Drgs. 1 sheet.

CLASS : 123.

153885.

Int. Cl. C05c 9/00.

PROCESS FOR THE PRODUCTION OF UREA GRAINS WITH IMPROVED PROPERTIES AND UREA GRAINS THUS OBTAINED.

Applicant : SKW TROSTBERG AKTIENGESellschaft, DR. ALBERT-FRANK-STROSSE 32 D-8223 TROSTBERG, WEST GERMANY.

Inventors : 1. KARLHEINZ KEIM, 2. EWALD MEISENBURG, 3. DR. HEINRICH ROCK.

Application No. 58/Cal/80 filed May 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(3 claims)

Urea grains with improved properties, characterized by a content of from 0.1 to 10% by weight of dicyandiamide based on the total amount of urea and of dicyandiamide which has been added to the urea solution or to the molten urea before converting the urea into grains.

Compl. specn. 6 pages.

Drgs. Nil.

CLASS : 80I.

153886.

Int. Cl. B01d 29/00.

ARRANGEMENT FOR REMOVABLY FASTENING A DEFORMABLE MEMBER TO A SEPARATE BODY.

Applicant : SEALED POWER CORPORATION, OF 100 TERRACE PLAZA, MUSKEGON, MICHIGAN 49443, UNITED STATES OF AMERICA.

Inventors : DAVID LEE, ANDERSON, A. DAVID JOSEPH AND ROBERT MATTEC TAMBURRING.

Application No. 578/Cal/80 filed May 15, 1980.

Convention date 22nd November, 1979 (53118/79) Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(8 claims)

An arrangement for removably fastening a deformable member to a separate body comprising an opening in said deformable member defined by an opening rim, an eyelet having a peripheral portion fastened to said rim and having a flat central portion with a central eyelet opening, and a headed fastener received in said eyelet opening and in said separate body to releasably clamp said eyelet to said separate body with said eyelet central portion sandwiched between the head of said fastener and said separate body such that clamping stresses exerted by said headed fastener are absorbed by said eyelet remotely of said rim of said deformable member.

Compl. specn. 10 pages.

Drgs. 1 sheet.

CLASS : 15D.

153887.

Int. Cl. F16c 33/14.

BEARING MATERIAL AND METHOD OF MAKING SAME.

Applicant : IMPERIAL CLEVITE INC., AT ONE PLYMOUTH MEETING, PLYMOUTH MEETING, PENNSYLVANIA 19462, UNITED STATES OF AMERICA.

Inventors : 1. GOULD INC., 2. LEE ALLEN SWANGER.

Application No. 679/Cal/80 filed June 9, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(11 claims)

An improved process for producing multilayer metallic bearing material which comprises providing an intermediate layer of aluminium or aluminium-based alloy deposited on a conventional backing material such as steel and having an overlay layer adhered to the aluminium interlayer characterized in that said method is carried out in a single operation which comprises the following steps :

passing a composite strip of said backing material boned to said aluminium interlayer through and below the surface of a molten bath of improved bearing overlay material made up of an alloy of lead and tin having at least one more metal selected from zinc, Cadmium or Copper, removing any surface oxide from the surface of the interlayer while submerged under the surface of the bath of said molten bearing overlay material, thereby to allow uniformity of firm adherence of a layer of said molten overlay material on said interlayer material, withdrawing the composite strip with the said layer of overlay material deposited thereon from the bath, ensuring a uniform thickness of said layer of overlay material over the width of the said interlayer material, by control means as the composite strip emerges from the molten bath, thereafter solidifying the said layer of overlay material on said interlayer material.

Compl. specn. 11 pages.

Drgs. 1 sheet.

CLASS : 32E.

153888.

Int. Cl. C08f 15/00.

A PROCESS FOR MAKING HETEROGENEOUS ETHYLENE BASED POLYMERS HAVING A HIGH TEAR STRENGTH.

Applicant : UNION CARBIDE CORPORATION AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : 1. WILLIAM ALLEN FRASER, 2. NORMA JEAN MARASCHIN, 3. FREDERICK JOHN KAROL, 4. ALEXANDER JOHN MAKI.

Application No. 704/Cal/80 filed June 17, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

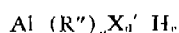
(5 claims)

A process for making, in the gas phase, heterogeneous ethylene based hydrocarbon polymers having high Elmendorf tear strength valued which comprises interpolymerizing ethylene with C_3 and C_6 monomers in the molar ratios in said gas phase of $\frac{C_3}{C_2}$ of about 0.1 to 0.9 and of $\frac{C_6}{C_2}$ of about 0.015 to 0.2

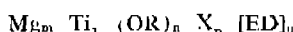
wherein the C_3 monomer is selected from propylene, butene-1 and mixtures thereof and the C_6 monomer is one or more C_5 to C_9 alpha monoolefins which contain no branching closer than the fourth carbon atom and C_2 represents ethylene,

at a pressure of about 50 to 1000 psi, a temperature of about 65 to 105°C, with a catalyst formed from an activator compound and a precursor compound,

said activator compound having the structure



wherein X' is Cl or OR'' , R'' and R''' are the same or different and are C_1 to C_{14} saturated hydrocarbon radicals, d is 0 to 1.5, e is 1 or 0 and $c+d+e=3$, said precursor compound having the formula



wherein ED is an electron donor compound which is an organic compound which is liquid at 25°C. at atmospheric

pressure, and in which the titanium compound and magnesium compound used to form said precursor compound are partially or completely soluble.

m is ≥ 0.5 to ≤ 56

n is 0, 1 or 2

p is ≥ 7 to ≤ 116

q is ≥ 2 to ≤ 85

R is a C_1 to C_{14} aliphatic or aromatic hydrocarbon radical or COR' wherein R' is a C_1 to C_{14} aliphatic or aromatic hydrocarbon radical,

X is selected from the group consisting of Cl, Br, I and mixtures thereof, and

said activator compound and said precursor compound being impregnated in porous carrier material.

Compl. specn. 44 pages.

Drgs. 1 sheet.

CLASS : 206B.

153889.

Int. Cl. H04b 1/38.

COMMON CHANNEL DUPLEX a.m. TRANSCEIVERS.

Applicant : PLESSEY OVERSEAS LIMITED, OF VICARAGE LANE, ILFORD, ESSEX IG1 4AQ., ENGLAND.

Inventor : 1. CHRISTOPHER KEITH RICHARDSON.

Application No. 746/Cal/80 filed June 28, 1980.

Convention date 29th June 1979 No. 22701/79 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(9 claims)

A common channel duplex a.m. transceiver comprising a pair of multiplicative mixers arranged to receive signals from two sources, receiver aerial means constituting one of the sources and arranged to feed received signals to the multiplicative mixers transmitter aerial means, and oscillator/modulator means constituting the other of the sources and arranged to feed signals for transmission to the aerial means and to provide for the mixers of the pair local oscillator signals which are at the same frequency as the carrier frequency for transmission, and wherein it is arranged that the carrier frequency for transmission and the carrier frequency of the received signals are common to a single channel of the transceiver, phase quadrature means connected to provide a phase quadrature relationship between two signals fed to the mixers of the pair from one of the sources, a pair of signal combiners fed one from each mixer, a pair of low pass filters fed one from each combiner, a pair of correlator arrangements each having first and second input ports and an output port, the first input port of each correlator arrangement being fed one from each low pass filter, detector means via which signals from the oscillator/modulator means are fed to respective second input ports of the correlators, the correlator arrangements being operative to correlate signals derived from the low pass filters with detected signals from the oscillator/modulator means thereby to provide at the said output ports feedback signals which are fed one from each correlator to respective combiners, and an a.m. demodulator responsive to signals fed from the low pass filters for providing a.m. output signals corresponding to a.m. modulation carried by the received signals.

Compl. specn. 16 pages.

Drgs. 1 sheet.

CLASS : 179E; 179F

153890

8 Claims

Int. Cl. : B 65 b 7/28; B 67 b 1/00, 3/00, 5/00

CLOSURES FOR CONTAINERS FOR WINE OR WINE-BASED PRODUCTS.

Applicant : METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventor : I. ARNOLD MARTIN THROP.

Application No. 795/Cal/80 filed July 11, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A closure for a container for a wine or wine-based product, at least the part of said closure which is intended to be exposed to the product being in the form of a moulded stopper of a thermoplastic material having a closed cell foamed core within a liquid-impervious skin, wherein the thermoplastic material is an ethylene/vinyl acetate copolymer with a vinyl acetate content of from 10% to 25% and the degree of foaming of the moulded stopper, measured in terms of the reduction of density as compared with the unfoamed material is from 45% to 70%.

Compl. specn. 13 pages. Drgs. Nil

CLASS : 94H-G & H.

153891

Int. Cl. : B 02 c 4/28.

NOZZLE RING ASSEMBLY FOR A ROLLER MILL.

Applicant : F. I. SMIDT & CO. A/S., OF 77 VIGERS-LEV ALLE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor : I. HEIGE CARL CHRISTIAN KARTMAN.

Application No. 927/Cal/80 filed August 14, 1980.

Convention date 18th October 1979 (79/36199) (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

10 Claims

A nozzle ring assembly for use around a circular grinding path of a roller mill of the kind comprising a grinding table (1) which is rotatable about a vertical axis, and grinding roller, (2) urged against the grinding table (1), the nozzle ring assembly comprising a nozzle ring (8) with circumferentially spaced guide vanes (17) for directing air, in use, over the grinding path in a direction with a component substantially tangential to the grinding path, characterized in that the nozzle ring (8) also has a set of annular guide vanes (13-16) which are disposed one above the other for directing air, in use, substantially horizontally over the grinding path.

Compl. specn. 10 pages. Drgs. 2 sheets.

CLASS : 98E.

153892

Int. Cl. : F 28 d 7/10.

HEAT EXCHANGER.

Applicant : TCYO ENGINEERING CORPORATION, OF NO. 2-5, KASUMIGASEKI-3-CHOME, CHIYODA KU, TOKYO, JAPAN.

Inventors : 1. JUN ZAMMA, 2. YOSHINORI NISHIMURA, 3. YUICHI NAKAJIMA, 4. TADAAKI SAKAI.

Application No. 1152/Cal/80 filed October 10, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A heat exchanger comprising:

a pressure proof cylindrical shell containing first fluid, having inlet and outlet nozzles for said first fluid;

a group of bayonet tube outer ducts which are contained in said shell, one end of each of said outer ducts being closed and another end thereof passing through and being open at a tube sheet secured to one end of said shell;

a group of bayonet tube inner ducts which are inserted said group of outer ducts, with annular space provided between each of said outer and inner ducts and clearance provided at the closed end of each of the outer ducts to admit each of said inner ducts to communicate with said annular space;

a tube side pressure chamber which is provided in contact with said tube sheet and has inlet and outlet nozzles for second fluid; and

a hot gas separation chamber which is contained in said tube side pressure chamber one end of each of said group of inner ducts being opened to the inside of said separation chamber which also communicates with an inlet of said second fluid through an inlet duct; characterized in that said second fluid introduced in said hot gas separation chamber flows through said inner ducts and said annular space between each of inner and outer ducts, exchanging heat with said first fluid.

Compl. specn. 15 pages. Drgs. 2 sheets.

CLASS : 6B.

153893

Int. Cl. : F 25 j 3/00.

A DISTILLATIVE CRYOGENIC METHOD OF SEPARATING A METHANE OVERHEAD PRODUCT FROM A FEED STREAM CONTAINING METHANE AND AN ACID GAS.

Applicants : HELIX TECHNOLOGY CORPORATION, 226 SECOND AVENUE, WALTHAM, MASSACHUSETTS 02154, U.S.A.

Inventors : 1. ARTHUR SHERWOOD HOLMES, 2. JAMES McKEE RYAN.

Application No. 1274/Cal/80 filed November 14, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A distillative cryogenic method of separating a methane overhead product from a feed stream containing methane and an acid gas, comprising the steps of (a) cooling said feed stream; (b) introducing said cooled feed stream into a distillation column having a plurality of vapor-liquid contact stages; (c) providing sufficient heat at the bottom of said column to provide an enriched methane overhead stream; (d) condensing a portion of said methane overhead stream by cooling it and directing it back to the top of said column as reflux; (e) with drawing a methane overhead stream as product; and (f) with drawing from the bottom of said column a bottoms product stream having an accumulation of acid gas, characterised by the step of maintaining said column, under conditions of temperature pressure and gas composition which create a zone where carbon dioxide would form solids; and by the step of adding a nonpolar liquid solids preventing agent, such as herein defined, into the solids potential zone of the distillation column in an amount such as herein defined sufficient to be present substantially throughout the solids potential zone and in a sufficient quantity to prevent acid gas solids formation therein, and withdrawing the liquid agent with the bottoms product stream containing acid gas from the bottom of the column.

Compl. specn. 30 pages. Drgs. 5 sheets.

CLASS : 131A1. 153894

Int. Cl. : E 21 d 17/00.

APPARATUS FOR MAINTAINING A SET 'BETWEEN-CENTRES' DISTANCE BETWEEN SUPPORT ELEMENTS OF A SELF-ADVANCING MINE-ROOF SUPPORT.

Applicant : HERMANN HEMSCHIEDT MASCHINEN-FABRIK GmbH & CO. OF BORNBERG 103, 5600 WUPPERTAL 1, GERMAN FEDERAL REPUBLIC.

Inventors : 1. JOSEF WEIZEL, 2. HANS BULL, 3. ALFRED MAYKEMPER.

Application No. 1204/Cal/80 filed October 24, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Apparatus for maintaining a set "between-centres" distance between support elements of a self-advancing mine-roof support, comprising at least two support elements spaced apart by a desired distance and each provided with connecting means which are pivotally connected to a respective portion of an abutment arranged, in use, to extend substantially parallel to the longwall face of a mine so that the support elements are able to pivot to a limited extent with respect to the abutment, the connecting means of at least one support element being constructed as a drive means and the abutment being composed of portions adapted for limited axial displacement with respect to each other to allow the length of the abutment to be varied, in which a guide lever is pivoted at one place thereon to the connecting means of a first support element and is pivoted at a second place thereon to the abutment portion connected to an adjacent support element so that the said two places on the guide lever where pivotal connections are provided and the place at which the respective connecting means of the first support elements are connected to its respective abutment portion lie at the corners of a triangle.

Compl. specn. 11 pages. Drgs. 4 sheets.

CLASS : 85C & J. 153895.

Int. Cl. : B 65 g 53/16.

SOLID FUEL FEED SYSTEM FOR A FLUIDIZED BED.

Applicant : COMBUSTION ENGINEERING INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. BRAIN CARTER JONES.

Application No. 99/Cal/81 filed January 29, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A solid fuel feed system for acombusting fluidized bed, which includes—

a bed which includes crushed solid fuel to be burned, and a source of air for combustion flowing up through the bed in the form of bubbles and fluidizing the bed during combustion, in which there is provided a compartment structure positioned at one side of the active fluidized bed,

a wall with an upper and a lower opening between the active fluidized bed and the compartment,

a slumped bed positioned within the compartment receiving solid material from the upper portion of the active fluidized bed through the upper opening in the wall to maintain a hydrostatic head difference between the slumped bed and active fluidized bed at the lower opening between the compartment and active bed,

and means for supplying fresh solid fuel to the lower portion of the slumped bed to establish a flow of the fresh fuel into the fluidized bed with material of the slumped bed passed through the lower opening with the force of the hydrostatic heads.

Compl. specn. 14 pages. Drgs. 1 sheet.

CLASS : 35F+D. 153896

Int. Cl. : C 04 b 7/14.

A HIGH SULPHATE SLAG CEMENT AND THE METHOD FOR MANUFACTURING THIS CEMENT.

Applicant & Inventor : YOSHITAKA MASUDA OF 54, KORO, KODERA-CHO, KANZAKI-GUN, HYOGO-PREFECTURE, JAPAN

Application No. 173/Cal/81 filed February 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A high sulphate slag cement with a Blaine specific surface ratio of 4,500 to 5,500 cm²/g consisting of :

- approximately 80-85% water-gravulated blast furnace slag by weight which in turn contains 40-50% CaO, 14-20% Al₂O₃, 30-35% SiO₂, and 5-8% MgO;
- 13-17% CaSO₄ calculated as anhydrite;
- 1.5-2.5% Portland cement;
- 0.1-0.5% of at least one compound selected from the group of organic carboxylic acids or acid salts consisting of tartaric acid, sodium tartrate, potassium tartrate, citric acid, sodium citrate, potassium citrate,
- 0.03-0.6% of at least one water-soluble higher molecular weight compound selected from the group consisting of methyl-cellulose, sodium stearate and sodium lauryl benzenesulfonate; and
- 0.6-2% sodium sulfate.

Compl. specn. 17 pages. Drgs. Nil.

CLASS : 32F2c. 153897.

Int. Cl. C 07 c 127/00.

METHOD OF RECOVERING UNREACTED MATERIALS IN UREA SYNTHESIS PROCESS.

Applicants : MITSUI TOATSU CHEMICALS, INCORPORATED AND TOYO ENGINEERING CORPORATION, BOTH OF NO. 2-5, KASUMIGASAKI 3-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventors : 1. HIROSHI ONO, 2. HIDEITSUGU FUJII, 3. AKITO FUKUAI, 4. HARUYUKI MORIKAWA.

Application No. 242/Cal/81 filed March 6, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(6 claims)

A method of recovering unreacted materials in the urea synthesis process by subjecting a urea synthesis effluent obtained by reacting ammonia with carbon dioxide at a high ammonia to carbon dioxide molar ratio in the urea synthesis process to a stripping step in which the urea synthesis effluent is brought into countercurrent contact with carbon dioxide under heating to obtain an aqueous urea solution containing a small amount of ammonia and ammonium carbamate, which method is characterized by the step of first bringing said urea synthesis effluent into contact with a separated gas evolved in the stripping step under adiabatic condition or cooling prior to the stripping step.

Compl. specn. 21 pages.

Drgs. 1 sheet.

CLASS : 170D. 153898.

Int. Cl. C 11d 1/00.

LIQUID DETERGENT COMPOSITIONS AND PROCESS FOR MAKING THE SAME.

Applicant : INTEROX CHEMICALS LIMITED OF HANOVER HOUSE, 14 HANOVER SQUARE, LONDON W1R 0BE, ENGLAND.

Inventors : 1. EILEEN SMITH, 2. DORGEEN ANN TILMERLEY, 3. DOROTHY MARGARET TITCHENER.

Application No. 362/Ca/81 filed April 1, 1981.

Conventional date 1st April, 1980 (8010885) U.K. and 1st April, 1980 (8010887) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

36 Claims.

A stabilised aqueous detergent composition comprising surfactant, hydrogen peroxide, water and stabiliser which composition contains at least 2% hydrogen peroxide, a stabilising amount of a combination comprising a low molecular weight mono-hydroxy aliphatic alcohol, and/or a polyhydroxy aliphatic carboxylate and an aminomethylene phosphonate or hydroxylalkyl diphosphonate an anionic sulphate or sulphonate surfactant and/or a nonionic ethoxylate surfactant in a total amount of surfactant of at least 10% of which at least 5% is provided by the nonionic surfactant, or in a total amount of surfactant of at least 4% when employed with at least 5% of a builder selected from alkali metal polyphosphates and carboxylic complexing builders, and sufficient alkali metal aryl sulphonate hydrotrope to maintain the composition in a single phase, either by itself or in conjunction with other components, %s being by weight of the stabilised composition.

Compl. specn. 42 pages.

Drgs. Nil.

CLASS : 172E; 203.

153899.

Int. Cl. B65h 54/00.

APPARATUS FOR CLAMPING AND DRIVING SHAFTLESS WINDING TUBES.

Applicant : VEB FILMFABRIK WOLFFEN OF 444 WOLFFEN 1, GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. KLAUS GEBHARDT, 2. MICHAEL ROFFMAN, 3. SIEGFRIED JANECEK, 4. HILMAR KOPPE, 5. IOTHAR NEUMANN 6. MICHAEL TATZKA.

Application No. 590/Ca/81 filed June 2, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(5 claims)

An apparatus for clamping and driving winding shaftless tubes, which comprises first gripping means adapted to hold one end of a winding tube second gripping means adapted to hold the other end of a winding tube a hydraulic or electromotive system so coupled to the said first gripping means as to enable that gripping means to be actuated released and displaced along the longitudinal axis of a winding tube being held by the first and second gripping means, by adjustment of the hydraulic or electromotive system a pneumatic system so coupled to the said second gripping means as to enable that gripping means to be actuated and released by adjustment of the pneumatic system, and to permit displacement along the longitudinal axis of a winding tube being held by the first and second gripping means, and drive means so coupled to the first or second gripping means as to enable a winding tube being held by the first and second means to be rotated about its longitudinal axis.

Compl. specn. 13 pages.

Drgs. 3 sheets.

CLASS : 32F₂(b).

153900.

Int. Cl. C07d 91/34.

A PROCESS FOR THE PREPARATION OF 2-(2-AMINOTHIAZOL-4-YL)-2-(SYN)-METHOXYIMINOACETIC ACID ESTERS.

Applicant : LONZA LTD., OF GAMPEL/VALAIS, SWITZERLAND.

Inventors : 1. ALFRED HUWILER, 2. LEANDER THOD.

Application No. 729/Ca/81, filed July 2, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(5 claims)

Process for the preparation of esters of 2-(2-aminothiazol-4-yl)-2-(syn)-methoxyiminoacetic acid, wherein an ester of 4-chloroacetonacetic acid is oxidized with an alkali metal nitrite in glacial acetic acid at an initial temperature of 0°C, the resultant 4-chloro-2-hydroxyiminoacetoacetic acid ester is, without isolation, reacted directly with thiourea to give a 2-(2-aminothiazol-4-yl)-2-(syn)-hydroxyiminoacetic acid ester and the latter then methylated with dimethyl sulphate by phase transfer catalysis.

Compl. specn. 10 pages.

Drgs. 1 sheet.

CLASS : 35B.

153901.

Int. Cl. C04b 7/02.

INSTALLATION FOR THE DRY MANUFACTURE OF CEMENT.

Applicant : FIVES-CALL BABCOCK, OF 7 RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

Inventors : 1. FRANCIS DAMBRINE, 2. GERARD CHESTEM.

Application No. 768/Ca/81 filed July 9, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(5 claims)

An installation for the dry manufacture of cement which comprises a clinkerization kiln, a cooling chamber for the clinker, a precalcination kiln in which preheated cement raw material is precalcined in suspension, a cyclone having an inlet connected to the outlet of the precalcination kiln for receiving the precalcined cement raw material and smoke gas therefrom and for separating the said material from the smoke gas, and a preheater heat-exchange unit consisting of a plurality of cyclones series-connected in a circuit and receiving the smoke gases from the clinkerization kiln and from the precalcination kiln, one portion of the hot air generated in the cooling chamber being fed to the precalcination kiln and another portion of the hot air being fed to the clinkerization kiln, wherein the outlet for the smoke gas of the said cyclone is connected to the preheater heat-exchange unit at a point downstream, when considering the direction of the smoke gas flow in the said circuit, of the last cyclone of said unit, and a device for creating a gas pressure loss is included in the said circuit between the last cyclone of the pre-heater heat-exchange unit and said point.

Compl. specn. 11 pages.

Drgs. 3 sheets.

CLASS 195A.

153902.

Int. Cl. F16k 5/00.

IMPROVED METALLIC BALL VALVE ASSEMBLY.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATHWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. HAROLD STRATTON GARDNER.

Application No. 875/Ca/81 filed August 5, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(3 claims)

An improved metallic ball valve assembly of the type wherein a ball (14) having an aperture (16) extending therethrough is disposed within a housing (12) having aligned entrance and exit bores (18), said ball being rotatably disposed in said bore (18) between a first position wherein said aperture is in axial alignment with said bores (18) so as to allow flow through said valve and a second position wherein said aperture (16) is out of alignment with said entrance and exit bore (18) so as to preclude flow through said valve, characterized in that said entrance bore (18) has a recess (28) concentric with and of a larger diameter than that of said bore (18) and extending partially into said housing so as to form an annular ledge (30) within said housing (12); and that a refractory ceramic annular deflector (32) of rectangular cross section is disposed on said ledge (30), said deflector (32) having an outside diameter smaller than the diameter of said recess (28), and an inside diameter at least as large as the diameter of said bores (18).

Compl. specn. 9 pages.

Drgs. 3 sheets.

CLASS : 107G.

153903.

Int. Cl. F02m 37/00.

A SYSTEM FOR CONTROLLING FUEL FLOW WITHIN AN INTERNAL COMBUSTION ENGINE.

Applicant : CUMMINS ENGINE COMPANY, INC., OF 1000 FIFTH STREET, COLUMBUS, INDIANA 47201, U.S.A.

Inventors : 1. PHILIP FLOYD BREECK, 2. DAVID EARL SHULTZ, 3. ANDREW CHARLES BOSSFILL.

Application No. 1415/Cal/81 filed December 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(13 claims)

A system for controlling fuel flow within an internal combustion engine having a plurality of cylinders, said system comprising a fuel source; a fuel pump responsive to the speed of the engine and having an inlet connected to said fuel source, a first outlet connected to a first fuel supply line for a predetermined number of first cylinders, and a second outlet; and a multi-mode adjustable control valve having a housing provided with a first port connected to a drain communicating with the fuel source, a second port connected to the second outlet of said fuel pump, a third port connected to the first fuel supply line, and a fourth port connected to a second fuel supply line for a predetermined number of second cylinders said control valve when the engine is operating below a predetermined first speed and/or below a predetermined operating temperature, automatically assuming a first mode wherein fuel flow to the second cylinders is substantially cut off, and when the engine is operating above said predetermined operating temperature, the control valve automatically assumes a second mode wherein there is substantial fuel flow to the second cylinders.

Compl. specn. 15 pages.

Drgs. 5 sheets.

CLASS 32F.

153904.

Int. Cl. C07c 47/06.

PROCESS FOR THE PRODUCTION OF ACETALDEHYDE.

Applicant : LONZA LTD., OF GAMPEL/VALAIS, SWITZERLAND.

Inventors : 1. HEINZ HANNI, 2. MAX METTLER.

Application No. 244/Cal/82 filed March 3, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(2 claims)

Process for the production of acetaldehyde from acetylene by the mercury-catalysed addition of water in a reactor, absorption of the acetaldehyde in water and subsequent distillation, wherein the water obtained after distilling off the acetaldehyde is cooled to 8 to 15°C. and returned to the reactor and to the absorber, the amounts thereof being such that the specific weight of the catalyst solution in the reactor is between 1.1 and 1.5 and the aqueous crude acetaldehyde obtained by the absorption has a content of 6 to 12% by weight.

Compl. specn. 5 pages.

Drgs. 1 sheet.

CLASS : 48C.

153905.

Int. Cl. H01b 3/00.

PROCESS FOR THE CONTINUOUS PRODUCTION OF SHEATHS FOR ELONGATE MATERIALS, IN PARTICULAR AS INSULATION FOR ELECTRIC CABLES.

Applicant : KABELMETAL ELEKTRO GmbH, OF KABELKAMP 20, 3000 HANNOVER 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HERMANN UWE VOIGT, 2. HANS PETER STEHMANN, 3. FRANZ DANEKAS.

Application No. 200/Cal/80 filed February 22, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(9 claims)

Process for the continuous production of a sheath for an elongate material in particular as insulation for electric cable from one or more olefin polymers or olefin copolymers which can be crosslinked by means of one or more peroxides, characterised in that an initially peroxide-free olefin (co) polymer material is melted and homogenised, impurities filtered off, and, in the same operation but in a station which is spatially separate from the melting and homogenising station, is subsequently shaped, on or more peroxide crosslinking agents such as herein described being metered into the molten and homogenised material before the shaping step.

Compl. specn. 10 pages.

Drgs. 1 sheet.

CLASS : 132C.

153906.

Int. Cl. B01f 5/10.

APPARATUS FOR THE HIGH EFFICIENCY BLENDING OF FREELY FLOWING GRANULAR MATERIALS.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT OLD HAGERTY, 2. JANNAN GFORGE LEE, 3. KENNETH CHANG-HAN YI.

Application No. 568/Cal/80 filed May 13, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(3 claims)

Apparatus for the high efficiency blending of freely flowing granular materials which comprises : an outer hoppered bin having means for the introduction thereto of materials to be mixed; downwardly-extending main blending tube means positioned therein and having passing through the walls thereof a plurality of material inlet passages positioned and dimensioned to provide unblocked orstarved flow characteristics therethrough; a plurality of downwardly-extending auxiliary blending tube means positioned therein and having passing through the walls thereof a plurality of material inlet passages positioned and dimensioned to provide blocked flow characteristics therethrough; said main and said auxiliary blending tube means joining in an enlarged section near their downstream ends to pass a blended stream of material flow

while maintaining unblocked or starved flow characteristics in said main blending tube means and blocked flow characteristics in said plurality of auxiliary blending tube means.

Compl. specn. 16 pages.

Drgs. 3 sheets.

CLASS 34A.

153907.

Int. Cl. D01 1 3/00.

IMPROVED PROCESS FOR THE PREPARATION OF VISCOSE AND PROCESS FOR THE SPINNING OF THE VISCOSE THUS OBTAINED.

Applicants : SNTA VISCOSA S.p.A. SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, VIA MONTEBELLO 18, MILANO, ITALY. AND ASAHI KASEI KOGYO KABUSHIKI KAISHA OF 2-6, DOJIMAHAMA 1-CHOME KITA-KU, OSAKA, JAPAN.

Inventor : 1. GIANFRANCO AGNELINI, 2. UGO PAOLETTI.

Application No. 691/Cal/80 filed June 12, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(7 claims)

An improved process for the production of viscose for the formation of viscose spinning dope by the xanthation of alkali-cellulose, characterized in that the alkali-cellulose is placed in a reactor, in that an amount of CS_2 in excess by required to produce the desired xanthate substitution degree is introduced into said reactor at a temperature of $21^\circ C$ and evaporated therein in that the CS_2 is allowed to react with the alkali-cellulose at temperature increasing to $21-25^\circ C$; in that the reaction is stopped when said excess amount of CS_2 is still unreacted, in that said unreacted CS_2 is removed from said reactor by application of reduced pressure, said reduced pressure increases during the reaction from initial pressures of about 110 mm Hg to a final pressure of about 400-500 mm Hg, and in that the excess CS_2 introduced with respect to the desired xanthate substitution degree is in the amount of 10-25%.

Compl. specn. 16 pages.

Drgs. Nil.

CLASS : 172D.

153908.

Int. Cl. D01 d 5/00.

A METHOD OF PRODUCING CRYSTALLINE FILAMENTS MELT-SPUN FROM SYNTHETIC POLYMERS WHICH ARE STRETCHED TO ORIENTATE THE MOLECULES.

Applicant : AKZO NV., OF LISSELLAAN 82, ARNHEM, THE NETHERLANDS.

Inventors : 1. DR. DIEDERICH SCHILO, 2. DR. HANS-DIETER ACHTSNIT, 3. GERHARD KLUG.

Application No. 718/Cal/80 filed June 21, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(12 claims)

A method of producing crystalline filaments melt-spun from synthetic polymers wherein the filaments have been stretched to orientate the molecules and are melt-spun from spinnerets and after they have been cooled to below the setting temperature are drawn over heated surfaces at a speed of more than 3,500 m/min, being heated in the region of the heated surfaces to temperatures above the setting temperature, and stretched, the heated surfaces having a length of from 20 to 300 mm, being heated to a temperature of from 450 to $650^\circ C$, and being arranged at a distance of from 1,500 to 6,500 mm from the spinnerets.

Compl. specn. 17 pages.

Drgs. 1 sheet.

CLASS : 172B+C.

153909.

Int. Cl. D02j 1/00.

METHOD OF PRODUCING DRAFTABLE STAPLE FIBRE SLIVER AND APPARATUS FOR IMPLEMENTING THE METHOD.

Applicant : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventor : 1. EMIL BRINER, 2. HEINZ CLEMENT, 3. HEINER EBERLI.

Application No. 793/Cal/80 filed July 10, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(8 claims)

Method of producing a draftable staple fibre sliver, in which a strand of endless, parallel filaments of oblong cross-section.

- continually is transported in its longitudinal direction.
- at intervals is cut under an acute angle relative to its longitudinal direction and in this process is separated into parallel ogram-shaped sections, and
- this strand separated into sections in this manner is united at both its sides and is condensed and transformed into a staple fibre sliver of approximately circular cross-section.

characterized in that the zone of the staple fibre sliver (23) along a sleeve line, along which in uniting and condensing the strand (12) the front most points (17), as seen in the sliver transport direction, of the parallel-ogram-shaped sections (11, 16) are aligned, is continually inserted by folding the strand along the called sleeve line into the inside of the sliver (23), in such manner that a staple fibre sliver (23) of approximately kidney-shaped cross-section (32) is formed.

Compl. specn. 11 pages.

Drgs. 1 sheet.

CLASS : 172D.

153910.

Int. Cl. D01 b 7/86.

THREAD STORAGE MEMBER FOR A TWO-FOR-ONE TWISTING SPINDLE OR SPINNING SPINDLE.

Applicant : PALULUX PROJECT-COMPANY GMBH., OF WEESERWEG 8, 4150 KREFELD 1, WEST GERMANY.

Inventor : 1. WOLFGANG LEUPERS.

Application No. 884/Cal/80 filed August 2, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(3 claims)

A thread storage member for a two-for-one spinning or twisting spindle, having a cylindrical storage face into which at least one radially directed thread exit aperture opens and the lower edge of which is followed by an annular flange extending radially beyond the storage face, characterized in that the following equation applies to the width(s) of the annular flange (6);

$$S/D \leq DO/D$$

wherein s = the width of the annular flange, D = the nominal diameter of the storage face and DO = an auxiliary value to 1 mm, whereby the width (s) of the annular flange (6) is at least 7 mm.

Compl. specn. 8 pages.

Drgs. 1 sheet.

Class 127F.

153911.

Int. Cl. F 16 h 23/00.

A WOBBLE-DRIVE MECHANICAL TRANSMISSION.

Applicant & Inventor : ROBERT DAVIDSON, OF GLE-NITI ROAD, HADLOW, SOUTH CANTERBURY, NEW ZEALAND.

Application No. 990/Cal/80 filed August 29, 1980.

Conventional date 30th August 1979 (191441) (New-zealand).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A wobble-drive mechanical transmission comprising, a stator having a generally ring shaped contact face centered about an axis 2,

a theta unit mounted to undergo conical wobbling about a center point 4 on the axis 2 and being disposed and rotatable about an axis 5, said theta unit having a datum line perpendicular to said axis 5, and forming a wobble angle x with respect to a plane perpendicular to said axis 2,

said theta unit further having a generally ring shaped contact face centered about said axis 5 and engaging said contact face of said stator along an engagement line which moves around said contact faces as said theta unit wobbles, said engagement line extending from the point of engagement of said contact faces through said wobble center point 4 and forming a bevel angle y with respect to said datum line of — x .

2

Compl. specn. 22 pages.

Drgs. 6 sheets.

Class 172c₁

153912.

Int. Cl. D 01 g 7/00.

DEVICE FOR THE OPENING OF ONE OR MORE TEXTILE FIBRE BALES

Applicant : TRUTZSCHLER GMBH & CO. KG, OF DUVENSTR. 82-92, D-050 MONCHENGLADBACH 5, WEST GERMANY.

Inventor : 1. HANS-JURGEN MARX.

Application No. 1083/Cal/80 filed September 24, 1980.

Addition to No. 728/Cal/79 dated 16th July 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A device of the type referred to, which is an improvement or modification of the device claimed in the specification of Patent Application No. 151396, comprising an opening or opener member in the form of a roller or porcupine having needles or spikes projecting from its periphery or bars or rods having an operative position in which they extend parallel to the direction of travel of the opening member and press down on the upper surface of the bales, the said needles or other opening elements projecting through the clearances between adjoining grate bars characterised in that the grate bars or rods are displaceable relative to the said needles or other opening elements for exposing webs formed on the surface of the bales at the points of contact with the grate bars or rods for removal by the said opening elements.

Compl. specn. 10 pages.

Drgs. 4 sheets.

Class 194C₁₁ (a)+(c).

153913.

Int. Cl. H 01 j 61/72; 61/02.

ARC TUBES FOR HIGH-INTENSITY DISCHARGE

SODIUM LAMPS AND HIGH-INTENSITY DIS

CHARGE SODIUM LAMPS CONCERNING SAME.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. DANIEL ALFRED LARSON.

Application No. 117/Cal/80 filed October 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

An arc tube for a high-intensity-discharge sodium lamp, said arc tube comprising an elongated hollow alumina body member of predetermined dimensions having alumina end-closure members hermetically sealed to the end portions of said hollow body member and enclosing a discharge-sustaining filling comprising sodium and inert ionizable starting gas, electrodes operatively positioned within said arc tube proximate the ends thereof electrical lead-in means sealed to and extending through said alumina end-closure members and connecting to said electrodes, electrically conducting ceramic means hermetically sealed to and extending through said arc tube at least at one end hereof to form electrically conducting ceramic means positioned interiorly of said arc tube and electrically insulated from the proximate electrical lead-in means, electrically insulating barrier means positioned intermediate said arc-tube-interior portion of said electrical lead-in means which project interiorly of said arc tube and are proximate said conducting ceramic means, and said barrier means being dimensioned to intercept any condensed discharge-sustaining means, and prevent from forming a conducting path between said conducting ceramic means and the proximate lead-in conductor means.

Compl. specn 29 pages.

Drgs. 4 sheets.

Class 73.

153914.

Int. Cl. D 06 m 13/00; 15/00.

A PROCESS FOR PRODUCING CREASERESISTANT TEXTILES.

Applicant : SUN CHEMICAL CORPORATION, OF 200 PARK AVENUE, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Inventor : 1. BERNARD FRANCIS NORTH.

Application No. 1257/Cal/80 filed November 6, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A process for producing crease-resistant textiles being characterised by impregnating a textile with a solution of a reactant comprising (a) the alkylated product of the reaction of approximately stoichiometric amounts of glyoxal and at least one cyclic urea, wherein the ratio of glyoxal : cyclic

urea is 0.8-1.2:1, and the cyclic urea has the formula shown in Fig. 1 or Fig. 2 of the accompanying drawings,

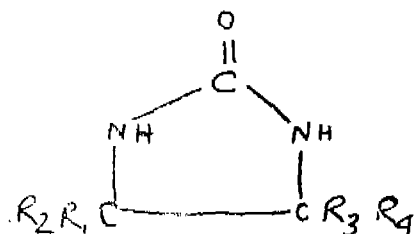


Fig. 1

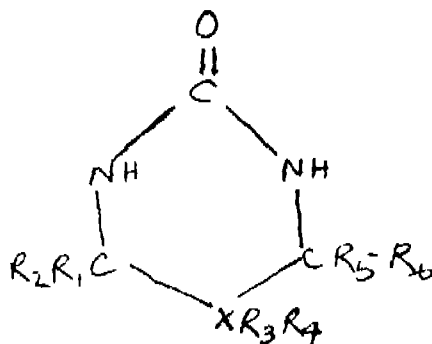


Fig. 2

wherein R_1, R_2, R_3, R_4, R_5 and R_6 may be the same or different; and each may be H, OH, COOH, R , OR, or COOR wherein R is an alkyl or a substituted alkyl group having 1 to 4 carbon atoms, and X may be C, O, or N; when X is O, R_3 and R_4 are each zero; when X is N, R_3 or R_4 is zero; and (b) a catalyst such as herein defined, and heating the impregnated textile to cure the reactant thereon.

Compl. specn. 15 pages. Drgs. 1 sheet.

Class 130 G-I; 40 F.

153915

Int. Cl. C 22 b 49/00.

PROCESS FOR THE RECOVERY OF MOLYBDENUM FROM MIXTURES OF MOLYBDENUM COMPOUNDS AND OTHER METALLIC OXIDES.

Applicant:—EUTECO IMPIANTI S.p.A., OF VIA GALIANI 11, MILAN, ITALY.

Inventors:—1. ROBERTO CANAVESI, 2. FERDINANDO LIGORATI, 3. ROBERTO GHEZZI, 4. ROBERTO CLEMENTE.

Application No. 1408/Cul/80 filed December 19, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for recovering molybdenum as an aqueous solution of molybdic acid and salts kind of from a solid mixture containing molybdenum in the oxide form or in the form of molybdic ions and other metallic oxides of iron and/or cobalt and/or nickel and/or alumina, characterized in that said mixture is contacted with an aqueous solution of alkali metal hydroxide of desired concentration to solubilize molybdenum in the form of an alkali metal molybdate, the solid residue obtained is filtered off, the aqueous solution of alkali metal molybdate thus obtained is contacted with a strong cationic exchange resin as herein described to convert said molybdate into molybdic acid and the resulting aqueous solution of molybdic acid is recovered and in desired to latens said aqueous solution of molybdic acid with a bore as herein described to produce in desired salts.

(Compl. specn. 17 pages. Drgs. Nil).

CLASS: 155A.

153916.

Int. Cl.: B 29 d 9/00; C 08 j 1/00.

A FLEXIBLE LAYERED ARTICLE.

Applicant:—W. I. GORE & ASSOCIATES, INC., OF 555 PAPER MILL ROAD, P.O. BOX 8734, NEWARK, DE 19711, UNITED STATES OF AMERICA.

Inventor:—1. DANIEL JAMES GOHLKE.

Application No. 421/Cul/81 filed April 21, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A flexible layered article in the form of a hospital gown or other enclosure, such enclosure having a clearly defined inside and outside, which permits transfer of water vapour therethrough comprising:

(a) a flexible layer of hydrophobic material of the type described herein before having a moisture vapour transmission rate exceeding 1000 gms./m². day and an advancing water contact angle exceeding 90 degrees; and

(b) a continuous hydrophilic layer of the type described hereinbefore having a moisture vapour transmission rate exceeding 1000 gms./m². day, and wherein said hydrophilic layer is attached to the outer face of said hydrophobic layer.

(Compl. specn. 19 pages. Drgs. 2 sheets).

OPPOSITION PROCEEDINGS

(1)

The opposition entered by Director General, Research Designs and Standards Organisation, to the grant of a patent on application No. 152224 made by Franz Plasser Bahabaumaschinen-Industriegesellschaft m.b.H. as notified in the Gazette of India, Part III, Section 2 dated the 26th May, 1984 has been dismissed and ordered that a patent to be sealed.

(2)

The opposition entered by Director General, Research Designs and Standards Organisation to the grant of a patent on application No. 152207 made by Hoesch Werke Aktiengesellschaft as notified in the Gazette of India, Part III, Section 2 dated 2nd June, 1984 has been dismissed and ordered that a patent to be sealed.

(3)

The opposition entered by Shri C. M. Shah against the grant of a patent on application for patent No. 148675 made by Shri S. D. Modak which was notified in the Gazette of India, Part-III, Section 2 dated the 19th December, 1981 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

(4)

An opposition has been entered by Union Carbide India Limited to the grant of a patent on application No. 152387 made by J. K. Batteries.

(5)

The opposition entered by Director General, Research Designs and Standards Organisation to the grant of a patent on application No. 152044 made by Elektro-Thermit GmbH as notified in the Gazette of India, Part-III, Section-2, dated the 21st April, 1981 has been dismissed and ordered that a patent to be sealed.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78.

Claims 6 and 7 have been deleted in the Specification of the Patent application No. 151519 (filing number 611/Cal/79) the acceptance of the complete Specification was notified in III, Section 2 of the Gazette of India dated the 14th May, 1983 under Section 78 of the Patents Act, 1970.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

Claims 12 to 18 and 20 have been deleted in the Specification of the Patent application No. 149821 (Filing No. 417/Cal/78) the acceptance of the complete specification was notified in Part III, Section 2, of Gazette of India dated the 1st May, 1982 under Section 78(3) of the Patent Act, 1970.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-In-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta.

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| 146792 146798 146803 146806 146812. | |
| | (28) |
| 146870 146874. | |
| | (29) |
| 146899 146915. | |
| | (30) |
| 146919 146929 146939 146940 146949 146950 146958 146966 146971. | |
| | (31) |
| 147209. | |
| | (32) |
| 147227. | |
| | (33) |
| 150467. | |
| | (34) |
| 150479 150486. | |
| | (35) |
| 150539 150540 150548 150550 150560 150564 150567 150568 150570 150584 150585 150590 150602 150611 150613. | |
| | (36) |
| 150643 150656 150657 150661 150676 150681 150683 150686 150697 150709. | |
| PATENT SEALED | |
| 151712 151736 152064 152111 152216 152217 152231 152233 152234 152236 152237 152238 152243 152244 152248 152249 152250 152251 152252 152296 152297 152298 152299. | |

146394 146395 146396 146398 146399 146402 146404.

RENEWAL FEES PAID

116920 121083 122046 122493 122525 122582 122643 122690
 122845 122900 122903 127420 128215 128228 128684 128920
 129068 130849 130898 131022 131795 132244 132245 132322
 132382 132472 132597 133297 134415 134710 134711 135003
 135284 135534 135833 135809 135904 135905 136494 136499
 136522 136819 136940 137222 137276 137292 137396 137685
 139139 139526 139622 139714 139757 139884 140187 140654
 140698 140793 140863 141027 141097 141372 141387 141383
 141439 141786 141881 141897 141949 142098 142166 142147
 142237 142238 142451 142800 142883 142891 142955 143002
 143032 143086 143184 143192 143329 143360 143408 143495
 143563 143653 143656 143765 143839 143862 144111 144177
 144184 144185 144236 144369 144459 144474 144516 144549
 144681 145582 145778 145798 146059 146140 146215 146262
 146345 146399 146460 146476 146666 146753 146783 146826
 146983 147001 147004 147023 147029 147085 147243 147253
 147268 147289 147362 147394 147432 147441 147518 147536
 147640 147654 147663 147675 147692 147730 147770 147804
 147839 147962 147997 148283 148363 148380 148417 148424
 148437 148639 148645 148649 148652 148653 148696 148705
 148708 148754 148757 148813 148833 148853 148874 148907
 148975 149006 149059 149239 149241 149251 149400 149411
 149412 149413 149414 149430 149480 149490 149506 149511
 149513 149570 149617 149632 149637 149647 149864 149871
 149873 149914 149969 150007 150018 150043 150065 150071
 150098 150123 150144 150146 150149 150180 150183 150233
 150253 150275 150290 150303 150304 150316 150318 150385
 150386 150406 150433 150446 150507 150540 150544 150559
 150586 150610 150692 150695 150740 150761 150779 150824
 150829 150830 150847 150854 150916 150917 150926 150945
 150992 151002 151026 151065 151083 151106 151109 151111
 151112 151153 151157 151159 151168 151169 151181 151195
 151196 151197 151200 151201 151202 151203 151208 151220
 151231 151234 151240 151245 151247 151250 151252 151254
 151265 151267 151271 151274 151278 151290 151300 151301
 151306 151313 151318 151328 151359 151374 151408 151496
 151529 151546 151622 151633 151664 151751 151760 151783
 151791 151841 151853 151855 151860 151875 151877 151879
 151880 151887 151892 151893 151894 151895 151897 151909
 151912 151914 151917.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 154163. Durga Type Foundry, 12/1, Sashi Bhusan Dev Street, Calcutta-700 012, West Bengal, An Indian Proprietary firm. "Bula Bengali type fonts". 13th March, 1984.

Class. 1. No. 154189. Sadana Brothers (a Partnership firm duly registered under the Indian Partnership Act of 1932) of 254, East Mohan Nagar, Industrial Area, Amritsar-143 006 (Punjab State) (India). The "Knife Grinding Machine". 16th March, 1984.

Class. 3. No. 154111. Samsonite Corporation, of 1200 East 45th Avenue, Denver, Colorado 80239, United States of America, a corporation organized under the laws of the State of Colorado, United States of America. A "Luggage Case". 1st March, 1984.

Class. 3. No. 154112. Samsonite Corporation, of 1200 East 45th Avenue, Denver, Colorado 80239, United States of America, a corporation organized under the laws of the State of Colorado, United States of America. A "Luggage Case". 1st March, 1984.

Class. 3. No. 154275. Sumeet Polymers, 1819-A, Gali No. 1, Kailash Nagar, Delhi-110 031, a firm registered under the Partnership Act, 1932. "Ice Bucket". 10th April, 1984.

Class. 3. No. 154278. Sumeet Polymers, 1819-A, Gali No. 1, Kailash Nagar, Delhi-110 031, a firm registered under the Partnership Act, 1932. "Tiffin Carrier". 10th April, 1984.

Class. 3. No. 154279. Sumeet Polymers, 1819-A, Gali No. 1, Kailash Nagar, Delhi-110 031, a firm registered under the Partnership Act, 1932. "Water Container". 10th April, 1984.

Class. 4. No. 154405. Eagle Flask Private Limited, (a Company incorporated under the Provisions of Companies Act) at Eagle Estate, Talegaon-410 507, Maharashtra State, India. "Refill For Vacuum Flask". 16th May, 1984.

Class. 4. No. 154406. Eagle Flask Private Limited, (a Company incorporated under the Provisions of Companies Act) at Eagle Estate, Talegaon-410 507, Maharashtra State, India. "Refill For Vacuum Flask". 16th May, 1984.

Extn. of Copyright for the Second period of five years.

Nos. 153883, 148961, 149636, 151040. Class-1.

Nos. 153747, 153749, 150501. Class-3.

Nos. 153746, 153748, 148833, 148834, 148836.

. Class-4.

No. 149289. Class-10.

Extn. of Copyright for the Third Period of five years.

Nos. 153883, 151040, 153509, 153513. Class-1.

Nos. 153747, 153749, 141957, 141958, 150501, 153505, 153514. Class-3.

Nos. 153746, 153748. Class-4.

Nos. 141959, 141960, 149289. Class-10.

R. A. ACHARYA
 CONTROLLER GENERAL OF PATENTS, DESIGNS
 & TRADE MARKS.

